43-0123

TB 43-0123

TECHNICAL BULLETIN

AVIATION
ELECTRONICS CONFIGURATION
DIRECTORY

This copy is a reprint which includes current pages from Changes 1 and 2.

HEADQUARTERS, DEPARTMENT OF THE ARMY
22 OCTOBER 1981

D 101. 25:

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CHANGE
No. 2

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *26 September 1986*

Aviation Electronics Configuration Directory

TB 43–0123, 22 October 1981, is changed as follows:

1. This change provides updated and new information on avionics equipment and aircraft avionics configurations. New or revised material is indicated by a vertical bar in the margin of the page. When an entire section or appendix is revised, the vertical bar is placed opposite the title. Remove old pages and insert new pages as follows:

Remove pages	*Insert pages*
i/(ii blank)	i/(ii blank)
1 and 2	1 and 2
None	6.1 and 6.2
11 and 12	11 and 12
17 through 20	17 through 20
23 through 26	23 through 26
35 and 36	35 and 36
39 and 40	39 and 40
51 and 52	51 and 52
74.1/(74.2 blank)	74.1/(74.2 blank)
77 and 78	77 and 78
None	78.1 and 78.2
97 and 98	97 and 98
127 through 130	127 through 130
None	130.1 through 130.6
134.1 and 134.2	134.1 and 134.3/(134.4 blank)
136.1/(136.2 blank)	136.1/(136.2 blank)
147 and 148	147 and 148
None	152.1 and 152.2
181 and 182	181 and 182
None	188.1/(188.2 blank)
191 and 192	191 and 192
195 and 196	195 and 196
196.1/(196.2 blank)	196.1/(196.2 blank)
197 and 198	197 and 198
200.1 and 200.2	200.1 and 200.2
201 and 202	201 and 202
None	204.1/(204.2 blank)
205 and 206	205 and 206
213 and 214	213 and 214
219 and 220	219/(220 blank)
225 and 226	225 and 226
237 and 238	237 and 238
257 and 258	257 and 258
None	260.1/(260.2 blank)
273 through 276	273 through 276
279 and 280	279 and 280
280.1 through 280.3/(280.4 blank)	280.1 through 280.6
289 and 290	289 and 290
295 through 298	295 through 298
301 and 302	301 and 302
309 through 314	309 through 314
329 through 338	329 through 338
345 through 349	345 through 352
A–3 through A–36	A–3 through A–40
B–3 through B–29	B–3 through B–31/(B–32 blank)
C–1 through C–22	C–21 through C–24
D–3 through D–7/(D–8 blank)	D–3 through D–7/(D–8 blank)
E–1 through E–17/(E–18 blank)	E–1 through E–19/(E–20 blank)
G–1 through G–5/(G–6 blank)	G–1 through G–6
None	H–1 through H–6

Change } No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *13 January 1984*

Aviation Electronics Configuration Directory

TB 43-0123, 22 October 1981, is changed as follows:

1. This change provides updated and new information on avionics equipment and aircraft avionics configurations. New or revised material is indicated by a vertical bar in the margin of the page. When an entire section or appendix is revised, the vertical bar is placed opposite the title. Remove old pages and insert new pages as follows:

Remove pages	*Insert pages*
i (ii blank)	i (ii blank)
1 and 2	1 and 2
5 and 6	5 and 6
21 and 22	21 and 22
25 through 28	25 through 28
35 through 40	35 through 40
47 and 48	47 and 48
51 and 52	51 and 52
None	74.1
75 through 80	75 through 80
101 and 102	101 and 102
105 through 108	105 through 107
119 through 122	119 through 120
129 and 130	129 and 130
133 and 134	133 and 134
None	134.1 and 134.2
135 and 136	135 and 136
None	136.1
155 and 156	155 (156 blank)
163 and 164	163 and 164
191 and 192	191 and 192
195 and 196	195 and 196
None	196.1
197 through 200	197 through 200
None	200.1 and 200.2
201 through 204	201 through 204
None	250.1
273 through 280	273 through 280
None	280.1 through 280.3 (280.4 blank)
283 through 286	283 through 286
None	286.1 through 286.3 (286.4 blank)
291 through 334	291 through 349
A-1 through A-38	A-1 through A-36
B-1 through B-27	B-1 through B-29
C-1 through C-21	C-1 through C-22
D-1 through D-10	D-1 through D-7
E-1 through E-17	E-1 through E-17
G-1 through G-4	G-1 through G-5

2. File this transmittal sheet in front of the publication.

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

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To be distributed in accordance with DA Form 12-34C requirements for TB 43 Series: Aviation Electronics Configuration Directory.

*TB 43-0123
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TECHNICAL BULLETIN
No. 43-0123

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *22 October 1981*

AVIATION ELECTRONICS CONFIGURATION DIRECTORY

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* This bulletin supersedes TB 750-1, 10 December 1970, including all changes.

Section I. INTRODUCTION

1. Purpose. This bulletin is published to clarify the requirements for logistics support of avionics systems, subsystems and/or equipments installed in, or in operational support of, Army aircraft and to assist in the planning of such support. It also provides guidance to field unit and major command personnel in the form of Army aircraft configuration data.

2. Scope. This bulletin is a formal compilation of pertinent avionics materiel data to provide, so far as possible and practical, a single source handbook of avionics information in ready reference form.

3. General.

a. Section II. This section lists, by type number in alphanumeric sequence, major avionics items (together with ground related systems) with pertinent data paragraphed as follows:

(1) Brief description–including purpose, operational parameters, power requirements and such other data as may be appropriate, including a listing of major components.

(2) Applicable tools and test equipment–including those items both specialized and common which are required at the various echelons of maintenance (excluding depot) to support the avionics systems.

(3) Applicable publication—includes pertinent technical manuals, supply bulletins, etc., applicable to the avionics system. For a specific listing of current publications, the latest edition of DA PAMS 310–1 & 310–9 should be consulted.

b. Section III. This section contains appropriate Army aircraft by type and model number in alphanumeric sequence, listing the avionics configuration as typically installed. Some of the configurations shown pertain to aircraft or retrofit programs which were still in development at the time of this printing. Therefore, these configurations are subject to change.

c. Appendix A. This appendix is a list of avionics systems, subsystems, equipments and major components by type number or manufacturer's number in alphanumeric sequence. Included in the listing is nomenclature, National Stock Number, line item number, source of supply (routing identifier code, type classification status, unit price, funding information and component to end item cross reference. (Last minute additions are listed at the rear of this appendix).

d. Appendix B. This appendix is a list of tools and test equipment required to support avionics systems by type number or manufacturer's number in alphanumeric sequence. Included in the listing is nomenclature. National Stock Number, line item number, source of supply (routing identifier code), type classification status, unit price, funding information, PIL listings, applicable publications, end item supported and commercial equivalent. (Last minute additions are listed at the rear of this appendix).

e. Appendix C. This appendix lists all the items contained in Appendixes A and B in National Item Identification Number sequence cross referenced to the corresponding type number or nomenclature. This appendix aids in the identification of avionics items and/or avionics tools and test equipment when only the NSN is known. (Last minute additions are listed at the rear of this appendix).

f. Appendix D. This appendix lists avionics related modification work orders applicable to both equipment and aircraft.

g. Appendix E. This appendix is a cross reference of avionics components to the aircraft in which they are or could be installed.

h. Appendix F. This appendix contains tables of Equipment Indicator Letters used when assigning nomenclature to avionics equipment under the JETDS(AN) system.

i. Appendix G. This appendix contains a list of replaced (old) and replacement (new) Test Measuring Diagnostic Equipment (TMDE) introduced into the Army inventory by the Test Equipment Modernization Program (TEMOD), DOD Item Reduction Studies (IRS) and Item Process Reviews (IPR). TMDE listed in this appendix is in AN type designator sequence followed by manufacturer's part number. Should a disparity in content exist between this appendix and DA Pamphlet 700–2–1 (TMDE Register Index) the later takes preference.

j. Appendix H. Alphabetical index of contents.

4. Three Level Maintenance Concept. At the time of this printing, maintenance of avionics equipment was in the process of being transitioned to the Three Level concept. This concept is defined in AR–750–1. In essense, it consists of converting Organization level to Aviation Unit Maintenance (AVUM) and combining Direct and General Support level into Aviation Intermediate Maintenance (AVIM) with Depot level remaining as is. When fully implemented, applicable Maintenance Allocation Charts (MAC), including tool and test equipment requirements, will be changed to reflect the new concept.

5. TMDE Modernization Program. The Test, Measurement and Diagnostic Equipment (TMDE) Modernization Program was initiated by DA to improve materiel readiness, reduce TMDE proliferation and obsolescence and reduce TMDE costs. These objectives are being accomplished by acquiring off-the-shelf electronic test equipment to replace the existing Army inventory of general purpose TMDE. The US Army Preferred Items List, DA Pam 700-21-1 and the various Maintenance Allocation Chart involved will be changed to reflect the replacement items as they are procured and fielded.

6. Explanation of Terms.

a. Maintenance Category. Abbreviations used for various echelons or maintenance are as follows:

O-Organizational
F-Direct Support
H-General Support
D-Depot
AVUM-Aviation Unit Maintenance
AVIM-Aviation Intermediate Maintenance

b. CPO - Complete Provisions Only. This indicates that airframe supports and brackets, circuit breakers, wiring, tables, connectors, etc., have been installed, necessary holes drilled and adequate space allocated so that the equipment and its mountings may be installed without further alteration of either the equipment or the aircraft. Equipment for CPO installations is normally issued on a TO&E basis.

7. References.

a. AR 725-50. Requisitioning, Receipt and Issue System.

b. AR 750-1. Army Materiel Maintenance Concepts and Policies.

c. AR 750-25-1. Army TMDE Calibration and Repair Support Program.

d. DA PAM 310-1 & 310-9. Consolidated Index of Army Publications and Blank Forms.

e. DA PAM 700-20. The Army TMDE Register.

f. DA PAM 700-21. The Army TMDE Register Index.

g. DA PAM 700-21-1. The Army TMDE Preferred Items List (PIL).

h. DA PAM 750-10. US Army Equipment Index of Modification Work Orders.

i. SB 710-1-1. Standard Study Number System and Replacement Factors.

j. TB 43-180. Calibration and Repair Requirements for the Maintenance of Army Materiel.

8. Reporting of Errors. The reporting of errors and recommendations for improving this publication is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded directly to US Army CECOM, ATTN: AMSEL-MME-LAE, 4300 Goodfellow Blvd, St. Louis, MO 63120-1798.

Section II

AVIONICS SYSTEMS, SUBSYSTEMS AND EQUIPMENT

(Listed in alphanumeric sequence by type number, where applicable, or nomenclature where type number designation has not been assigned.. Commercial items are listed following the military designated items.)

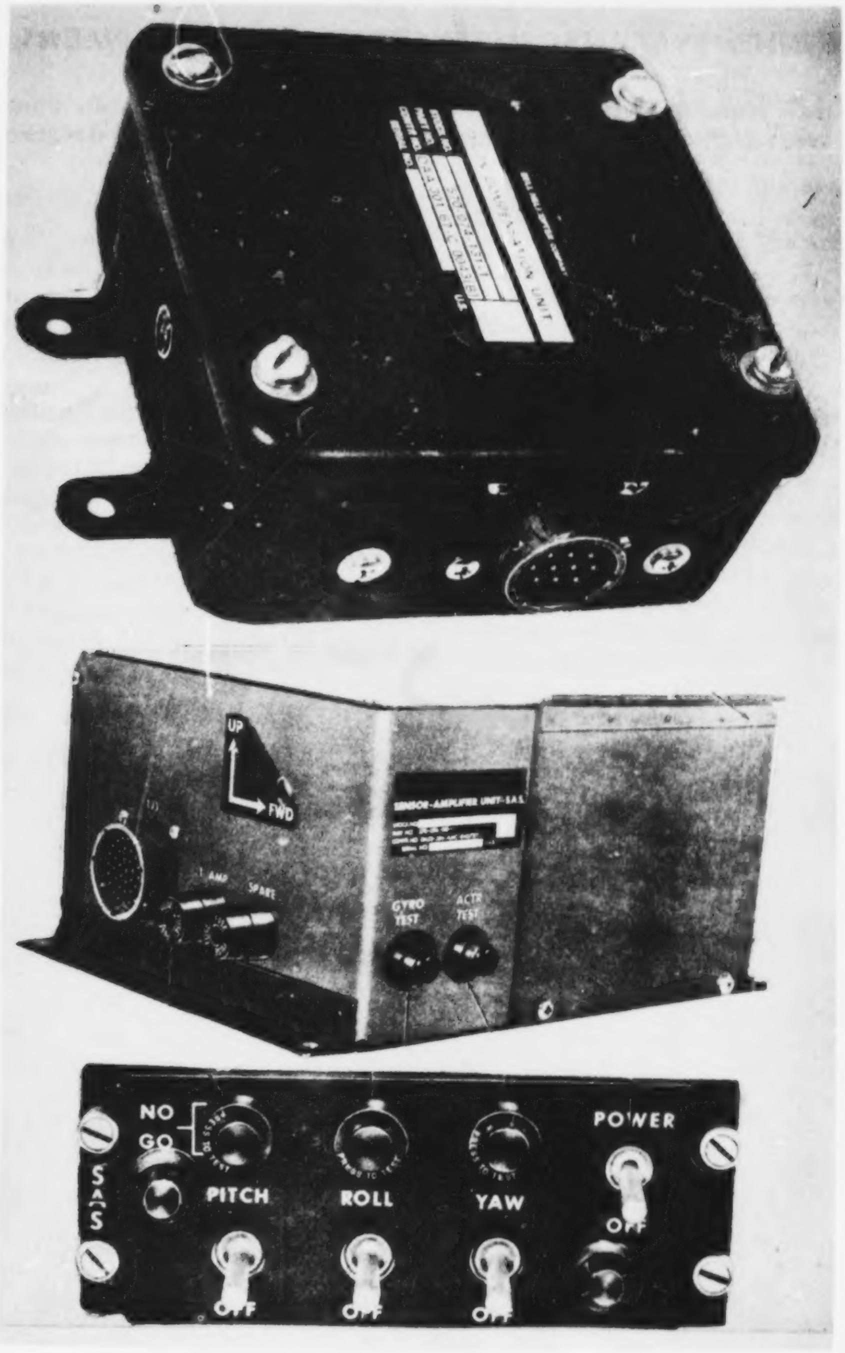

UP
FWD
SENSOR-AMPLIFIER UNIT-S.A.S.
1 AMP
SPARE
GYRO TEST
ACTR TEST
NO
GO
SAS
PITCH
ROLL
YAW
POWER
OFF
OFF
OFF
OFF

Figure 1. AH-1( ) Stability and Control Augmentation System

1. Brief Description: The Stability and Control Augmentation System is used on the AH-1( ) helicopter to maintain a highly damped airframe while maintaining a high quality control-response characteristic for pilot inputs. Power input requirements are 27.5 volts DC at 4.5 amps and 115 volts AC single-phase at 35 volt amps. Major electronics components of the SCAS are as follows:

AH-1G/S (Modified)	
570-074-010-11	Sensor Amplifier
570-074-060-11	Control Panel
570-074-131-3	Pylon Compensator
AH-1S (Production)	
570-074-010-11	Sensor Amplifier
209-074-084-1	Control Panel
570-074-131-3	Pylon Compensator
AH-1S (ECAS & Modernized)	
209-074-070-3	Control Panel
209-074-080-103	Sensor Amplifier
209-074-092-1	Armament Compensator
570-074-315-3	Rate Gyro Sensor

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-338		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-223		X	X
AN/USM-281C		X	X
ME-26D/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1936D/U		X	X

NOTE

The above tools and test equipment are applicable only to the SCAS system installed in the AH-1G/S (Modified) and AH-1S (Production). The SCAS components installed in the AH-1S (ECAS) and AH-1S (Modernized) are reparable only at depot level, not in the field.

3. Applicable Publications:

TM 11-1520-221-20 (Pertains to AH-1G/S (Modified)

TM 11-1520-221-20P (Pertains to AH-1G/S (Modified)

TM 11-1520-221-34 (Pertains to AH-1G/S (Modified)

TM 11-1520-221-34P (Pertains to AH-1G/S Modified)

TM 11-1520-236-30 (Pertains to AH-1S Production, ECAS & Modernized)

TM 11-1520-236-20P (Pertains to AH-1S Production, ECAS & Modernized

TM 11-1520-236-24P (Pertains to AH-1S Production, ECAS & Modernized)

TM 11-1520-236-34 (Pertains to AH-1S Production, ECAS & Modernized)

TM 11-1520-236-34P (Pertains to AH-1S Production, ECAS & Modernized)

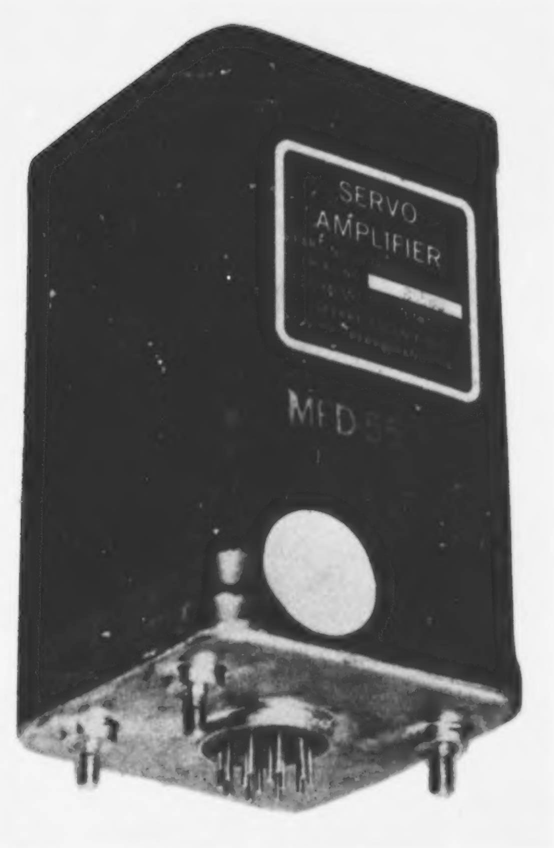


Figure 2. AM-3209/ASN Servoamplifier

1. Brief Description: The AM-3209/ASN is a moisture-sealed, transistorized servoamplifier with an integral power supply. It functions to amplify signals for the purpose of operating radio magnetic indicators. Operating power requirement is 115 volts AC, single phase, 400 Hz at 23 watts.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-6110-211-15
TM 11-6110-211-24P

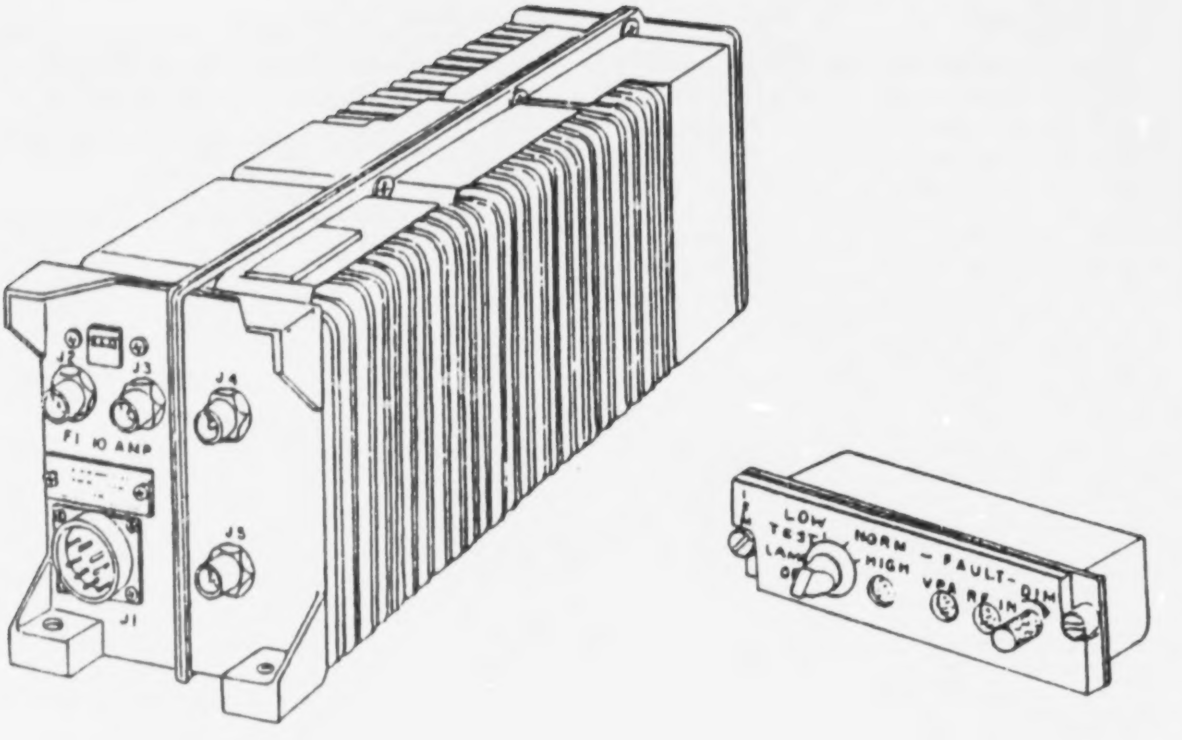


Figure 2–1. AM–7189A/ARC NOE VHF-FM Amplifier

1. Brief Description: The Nap-of-the-Earth (NOE) Improved Communication, VHF-FM Amplifier subsystem, AM–7189A/ARC, is a power amplifying accessory to be used with VHF-FM radios that are designed to operate in the central battle area from helicopters flying NOE flight envelopes. The AM–7189A/ARC amplifies signals from a standard VHF-FM radio (AN/ARC–114, AN/ARC–54, AN/ARC–186, AN/ARC–201) in a frequency range from 30 MHz to 88 HMz to an effective radiating power of 5 watts (low), 15 watts (normal) or 50 watts (high). When the NOE-IFM subsystem is turned off, a bypass mode is initiated which allows the VHF-FM radio to function normally. The following components comprise the NOE-IFM system when used in conjunction with one of the above radios:

AM–7189A/ARC	Variable Power Amplifier
AT–( )	Antenna (May vary with each aircraft system
C–11188A/ARC	Control (Not used if aircraft has a MIL-STD 1553B Control System, also in aircraft where the AM–7189A/ARC is used in conjunction with AN/ARC–201 SINCGARS Radio, use of this control is optional).

2. Applicable Tools and Test Equipment:

See Appendix B for nomenclature, NSN, etc:

Type No.	*AVUM*	*AVIM*
AN/URM–120A		X
AN/USM–486		X
DA–553/U		X
MK–994A/AR		X
PP–7547/U		X
TK–100/G		X
TK–101/G		X

NOTE: The AM–7189A/ARC and C–11188A/ARC are supported under a Reliability Improvement Warranty (RIW) Program. Refer to Appendix D, TM 11–5821–331–13 for more detailed information.

3. Applicable Publications:

TM 11–5821–331–13

(Illustration Not Available)

Figure 2.2. AN/AAQ–11 Pilot Night Vision Sensor

1. Brief Description: The AN/AAQ–11 Pilot Night Vision Sensor is used by the pilot for navigation and nap-of-the-earth operations at night. It consists of a stabilized forward looking infrared (FLIR), packaged in a rotating turret mounted above the target acquisition and designation sight, that follows the pilot's head position. This is accomplished using an integrated helmet and display sight system (IHADSS), which presents a FLIR image on a small cathode ray tube, reflected from a combiner immediately in front of the pilot's predominant eye.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

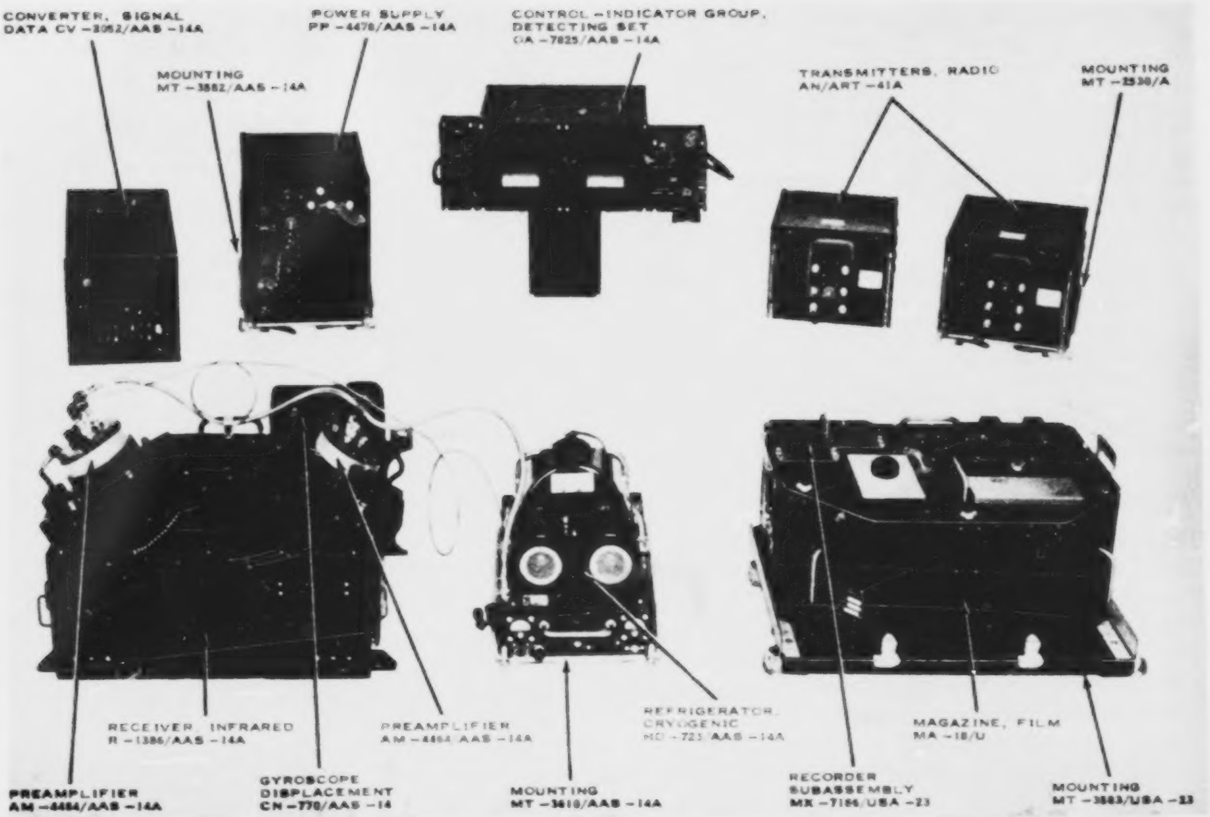

CONVERTER, SIGNAL DATA CV-2052/AAS-14A
POWER SUPPLY PP-4478/AAS-14A
CONTROL-INDICATOR GROUP, DETECTING SET OA-7825/AAS-14A
MOUNTING MT-3582/AAS-14A
TRANSMITTERS, RADIO AN/ART-41A
MOUNTING MT-2530/A
RECEIVER, INFRARED R-1386/AAS-14A
PREAMPLIFIER AM-4464/AAS-14A
REFRIGERATOR, CRYOGENIC HD-723/AAS-14A
MAGAZINE, FILM MA-18/U
PREAMPLIFIER AM-4464/AAS-14A
GYROSCOPE DISPLACEMENT CN-770/AAS-14
MOUNTING MT-3610/AAS-14A
RECORDER SUBASSEMBLY MX-7186/USA-23
MOUNTING MT-3583/USA-23

Figure 3. AN/AAS-14( ) Infrared Detecting Set

1. Brief Description: The AN/AAS-14( ) Infrared Detecting Set detects infrared radiation from the terrain below the aircraft. The detected radiation is converted to video signals and displayed and recorded by components of the set. The data is also applied to the AN/ART-41A Transmitter for telemetering to the ground components. The AN/AAS-14( ) and AN/ART-41A are the airborne components of the AN/UAS-4A Infrared Surveillance System. The AN/AAS-14A uses the CV-2052/AAS-14A Signal Data Converter while the AN/AAS-14B is designed for use with an airborne data annotation system. Power requirements for the AN/AAS-14( ) are 115 volts AC, 400 Hz, single phase, 250 watts and 27.5 volts DC at 60 amps. Major components of the AN/AAS-14( ) are:

OA-7825/AAS-14A Control Indicator Group consisting of:

C-6822/AAS-14A	Control
CX-11271/AAS-14A	Cable Assembly
CX-11272/AAS-14A	Cable Assembly
CY-4815/AAS-14A	Equipment Cabinet
IP-807/U	Calibration Indicator
IP-808/U	Terrain Display Indicator (2 ea)
SB-2649/AAS-14A	Switch Control Panel

OA-7827/AAS-14A Receiver Group consisting of:

CN-770/AAS-14	Displacement Gyro
R-1386/AAS-14A	Infrared Receiver

AN/USA-23(*) or AN/USA-23A(**) Recorder Group consisting of:

CY-4811/U	Film Magazine Transit Case (2 ea)
MA-18/U	Film Magazine (2 ea)
MT-3583/USA-23	Mount
* MX-7186/USA-23 or	Recorder Subassembly
** MX-7186A/USA-23	Recorder Subassembly

Power Supply Group consisting of:

MT-3582/AAS-14A	Mount
PP-4478/AAS-14A	Power Supply

Other components of the AN/AAS-14( ) are:

*** AM-4464/AAS-14A (2 ea) or	Preamplifier
*** AM-4467/AAS-14A (2 ea) or	Preamplifier
*** AM-4468/AAS-14A (2 ea)	Preamplifier

* CV-2052/AAS-14A	Signal Data Converter
CY-4813/AAS-14A	Preamplifier Transit Case
CY-4832/AAS-14A	Optical Filter Transit Case
HD-723/AAS-14A	Cyrogenic Refrigerator
MK-898/AAS-14A	Optical Filter Kit
MT-3610/AAS-14A	Mount (HD-723)
* MT-4105/AAS-14A	Mount (CV-2052)

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/AAM-10			X
AN/AAM-12			X
AN/AAM-13			X
AN/AAM-28			X
AN/AAM-29			X
AN/UAM-11		X	X
AN/UAM-12		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-207A			X
AN/USM-223		X	X
AN/USM-281A		X	X
ME-26D/U		X	X
ME-202B/U		X	X
MK-913/G		X	
MK-953/UAS-4A		X	X
MK-989/UAS-4A		X	
MK-1016/AAS-14A	X	X	X
MX-7268/AAS-14A			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TK-191/UAS-4A		X	X
TS-1836B/U			X
TV-7D/U		X	X
UG-274/U			X
Stopwatch, Chronometer	X	X	X

3. Applicable Publications:

TM 11-5850-217-15 (Pertains to AN/UAS-4A)
TM 11-5850-218-12 (Pertains to AN/AAS-14A, AN/AAS-14B)
TM-11-5850-218-20P (Pertains to AN/AAS-14A, AN/AAS-14B)
TM-11-5850-218-35 (Pertains to AN/AAS-14A, AN/AAS-14B)
TM-11-5850-218-35P (Pertains to AN/AAS-14A, AN/AAS-14B)
TM-11-5850-218-ESC (Pertains to AN/AAS-14A, AN/AAS-14B)
TM-11-5850-222-35 (Pertains to AN/USA-23, IP-807/U and IP-808/U)
TM-11-5850-222-35P (Pertains to AN/USA-23, IP-807/U and IP-808/U)
TM-11-5850-224-35 (Pertains to OA-7827/AAS-14A)
TM-11-5850-224-35P (Pertains to OA-7827/AAS-14A)
TM-11-5850-232-35 (Pertains to CV-2052)
TM-11-5850-232-35P (Pertains to CV-2052)

* Used with AN/AAS-14A only
** Used with AN/AAS-14B only
*** Any combination of two is required

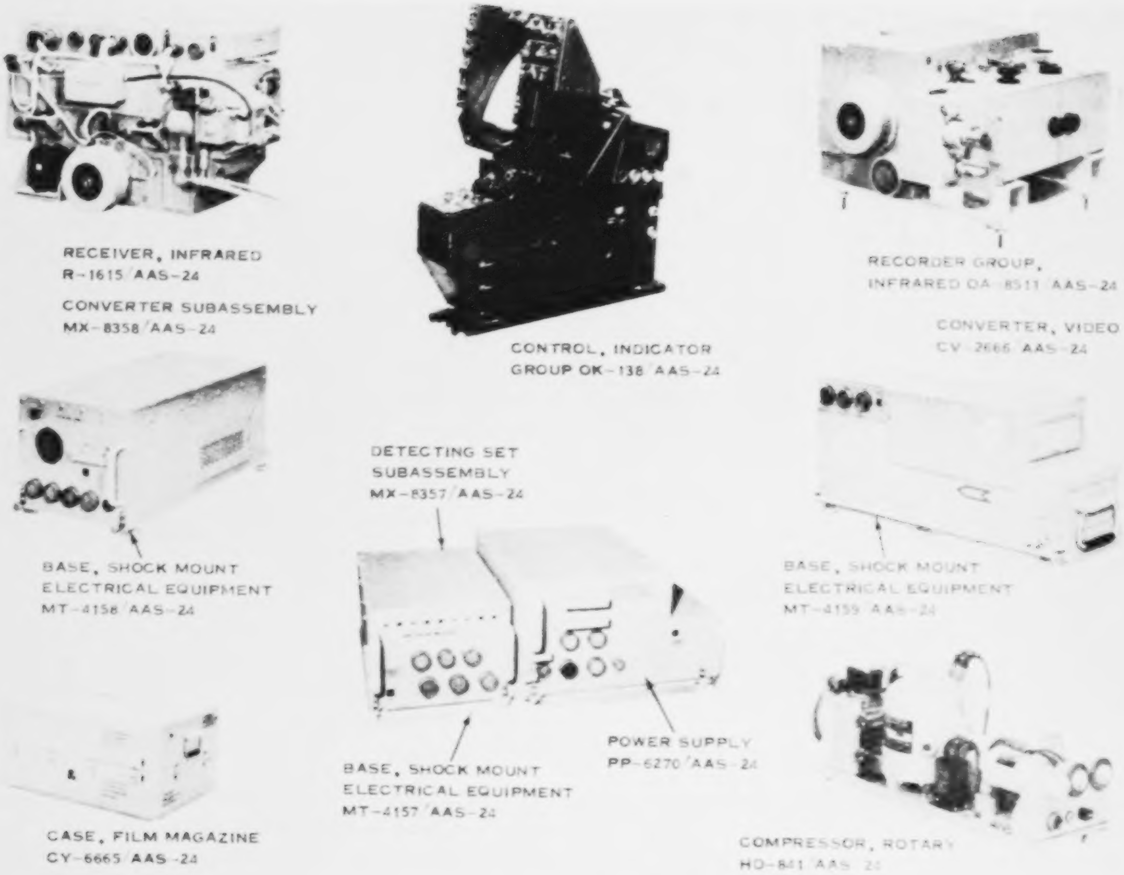

RECEIVER, INFRARED
R-1615/AAS-24
CONVERTER SUBASSEMBLY
MX-8358/AAS-24
CONTROL, INDICATOR
GROUP OK-138/AAS-24
RECORDER GROUP,
INFRARED OA-8511/AAS-24
CONVERTER, VIDEO
CV-2666/AAS-24
DETECTING SET
SUBASSEMBLY
MX-8357/AAS-24
BASE, SHOCK MOUNT
ELECTRICAL EQUIPMENT
MT-4158/AAS-24
BASE, SHOCK MOUNT
ELECTRICAL EQUIPMENT
MT-4159/AAS-24
POWER SUPPLY
PP-6270/AAS-24
BASE, SHOCK MOUNT
ELECTRICAL EQUIPMENT
MT-4157/AAS-24
CASE, FILM MAGAZINE
CY-6665/AAS-24
COMPRESSOR, ROTARY
HD-841/AAS-24

Figure 4. AN/AAS-24 Infrared Detecting Set

1. **Brief Description:** The AN/AAS-24 Infrared Detecting Set, used in the OV-1D Mohawk Aircraft, is a surveillance system which displays and records a continuous real time image of terrain beneath the aircraft by electronically detecting and reproducing thermal differences in terrestrial objects. Minute variations in thermally emitted (infrared) light are detected as the receiver scans its field of view in a rapid succession of line sweeps. These variations are converted to electronic signals (video) and sent simultaneously to the cockpit console and the film recorder. In the recorder, a continuous pictorial image of the terrain is imprinted on five inch wide film together with identifying data from the OV-1D's central data annotation system. The same image appears on a large TV—like screen in the cockpit console, simulating a view through the bottom of the aircraft. Console controls permit the observer to slew and expand the field of view, adjust gain, and mark the film at points of interest. The power requirements are 115 volts AC, 400 Hz @ 2350 watts and 28 volts DC @ 10 amps. The AN/AAS-24 consists of the following major components:

CV-2666/AAS-24	Video Converter
CY-6665/AAS-24 (2 ea)	Film Magazine Case
HD-841/AAS-24	Rotary Compressor
MT-4157/AAS-24	Mount
MT-4158/AAS-24	Mount
MT-4159/AAS-24	Mount
MX-8357/AAS-24	Detecting Set Subassembly
MX-8358/AAS-24	Converter, Subassambly
MX-8539/AAS-24	Blanket, Recorder Group
OA-8511/AAS-24	Recorder Group
OK-138/AAS-24	Control Indication Group
PP-6270/AAS-24	Power Supply
R-1615/AAS-24	Infrared Receiver

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/AAM-30	X	X	X
AN/AAM-31		X	X
AN/AAM-32		X	X
AN/AAM-33		X	X
AN/AAM-34		X	X
AN/AAM-35		X	X
AN/AAM-36		X	X
AN/AAM-40		X	X
AN/USM-207A	X	X	X
AN/USM-223	X	X	X
AN/USM-281A		X	X
CN-16/U		X	X
MK-1171/AAS-24		X	X
MK-1172/AAS-24		X	X
MX-8408/AAS-24		X	X
MX-8409/AAS-24		X	X
TK-100/G		X	X
TK--101/G	X		
TK-105/G		X	X
CET-20A		X	X
CETC6B		X	X
M10S		X	X
MS18137-20-1		X	X
MS18137-20-2		X	X
MS18137-20-3		X	X
MS18278		X	X
MS24256-A16		X	X
MS24256-A20		X	X
MS24256-R16		X	X
MS24256-R20		X	X
MS3191-4		X	X
MS3198-1		X	X
MS3198-1P		X	X
X-2		X	X
501		X	X
8025		X	X
Heater Tape		X	X
Strap Wrench	X	X	X

3. Applicable Publications:

TM 11-5850-241-12
TM 11-5850-241-34/1
TM 11-5850-241-34/2
TM 11-5850-241-34P
TM 11-5850-241-50/1-1
TM 11-5850-241-50/1-2
TM 11-5850-241-50/1-3
TM 11-5850-241-50/2
TM 11-5850-241-ESC

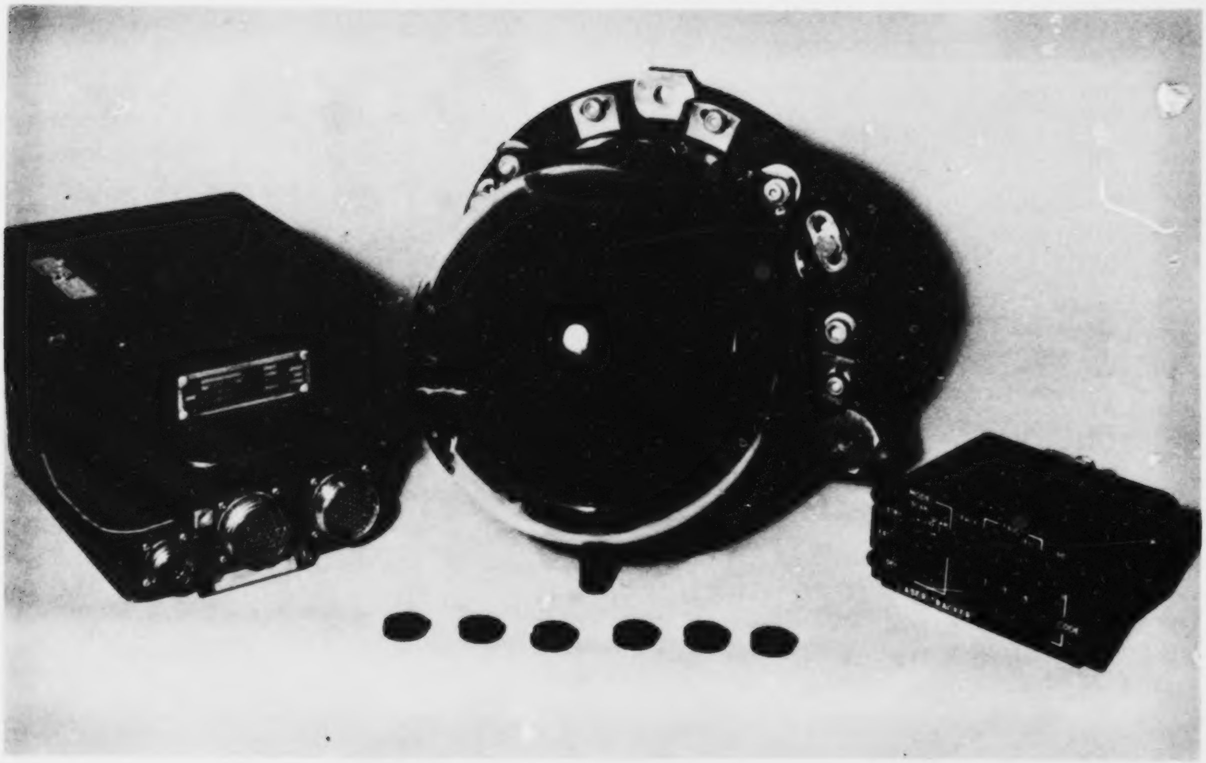


Figure 5. AN/AAS–32 Airborne Laser Tracker

1. Brief Description: Airborne Laser Tracker (ALT) AN/AAS–32 is an aircraft mounted system assigned to automatically scan the terrain, detect and lock onto a laser designated target. The ALT relies upon a target spotter (a soldier on the battlefield itself or in another helicopter) who, equipped with a laser designator, can train a coded laser beam on the target. The ALT receiver on board the aircraft can detect low level energy reflecting from the laser spot. The ALT scans the terrian, finds and tracks the target, and its output can be used to aim the aircraft's optical sight (telescopic sight unit. Primary power input requirements are 28 volts DC @ 5.0 amps 115 volts AC, 400 Hz at .25 amps. Major components of the AN/AAS–32 are:

C–9641( )/AAS–32	Laser Tracker Control
MX–9623( )/AAS–32	Electronic Components Assembly
R–1920( )/AAS–32	Laser Receiver-Tracker

Following components are used with but not part of the AN/AAS–32:

CY–7440/AAS–32	Case, Receiver-Tracker
CY–7441/AAS–32	Case, Electronic Components Control
MT–4698/AAS–32	Mount (R–1920)

2. Applicable Tools and Test Equipment:

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/AAM–55		X
AN/AAM–56	X	
AN/PAS–6		X
AN/USM–281C		X
AN/USM–459		X
ME–26B/U		X
OS–262(P)/U		X
PP–3940/G (2 ea)		X
SG–1171/U		X
TK–100/G		X
TK–101/G	X	
TK–105/G		X
Tank, Nitrogen		X

3. Applicable Publications:

TM 11–5860–200–12
TM 11–5860–200–23P
TM 11–5860–200–30

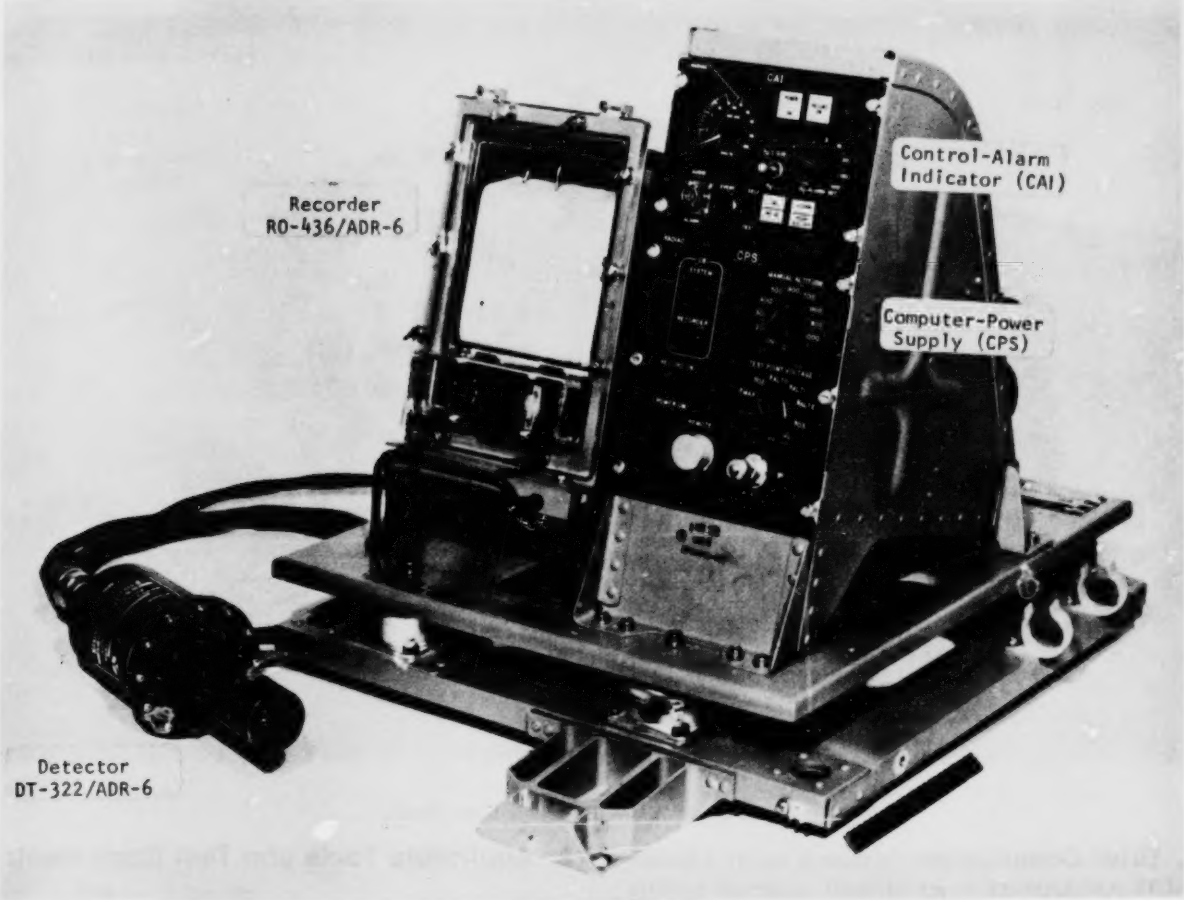


Figure 6. AN/ADR-6(XE-4) (V) Aerial Radiac System

1. Brief Description: Aerial Radiac System AN/ADR-6(XE-4)(V) (referred to as the ARS), is an airborne radiation detection set that detects, measures, and records the ground dose rates of gamma radiation intensities as the aircraft flies over a selected terrain. The AN/ADR-6(XE-4)(V) when operated in conjunction with the aircraft radar altimeters, is used for rapid surveillance or terrain areas contaminated by nuclear debris emitting penetrating ionizing (gamma and X-ray) radiation such as from radioactive fallout. The AN/ADR-6(XE-4)(V) detects, measures, indicates, and records radiation dose rate (D_G) at the three foot level above ground beneath the aircraft. Ground dose rate (D_G) are presented on a dose-rate meter and the ground dose rate (D_G) plus a signal representing aircraft altitude, are preserved on the recorder graphical chart paper for post-mission analysis. When the AN/ADR-6(XE-4)(V) operates within its altitude range of 100 to 1000 feet, the ARS also measures aircraft dose rates (D_A). The total weight of the ARS is 50 pounds. The aircraft power input requirement is 28 volts DC at 5 amperes (6 amperes in extreme cold). Major components of the AN/ADR-6(XE-4)(V) are as follows:

C-9204(XE-4)/ADR-6(V)	Control-Alarm-Indicator
CP-854(XE-4)/ADR-6(V)	Computer-Power Supply
CV-2131(XE-4)/ADR-6(V)	Inverter, Power, Static
DT-322(XE-4)/ADR-6(V)	Detector-Converter
L546088-001, 43999	Equipment Pallet
RO-436( )/ADR-6(V)	Recorder, Radiac Data

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64B		X	X
AN/UDM-2		X	X
AN/URM-105C	X		
AN/USM-281A		X	X
ME-26D/U		X	X

Type No.	*O*	*F*	*H*
PP-3514/U		X	X
PP-6224/U		X	X
TK-101/G	X		
TK-105/G		X	X
TK-784/U		X	X

3. Applicable Publication:

TM 11-6665-218-SERIES (To be published).

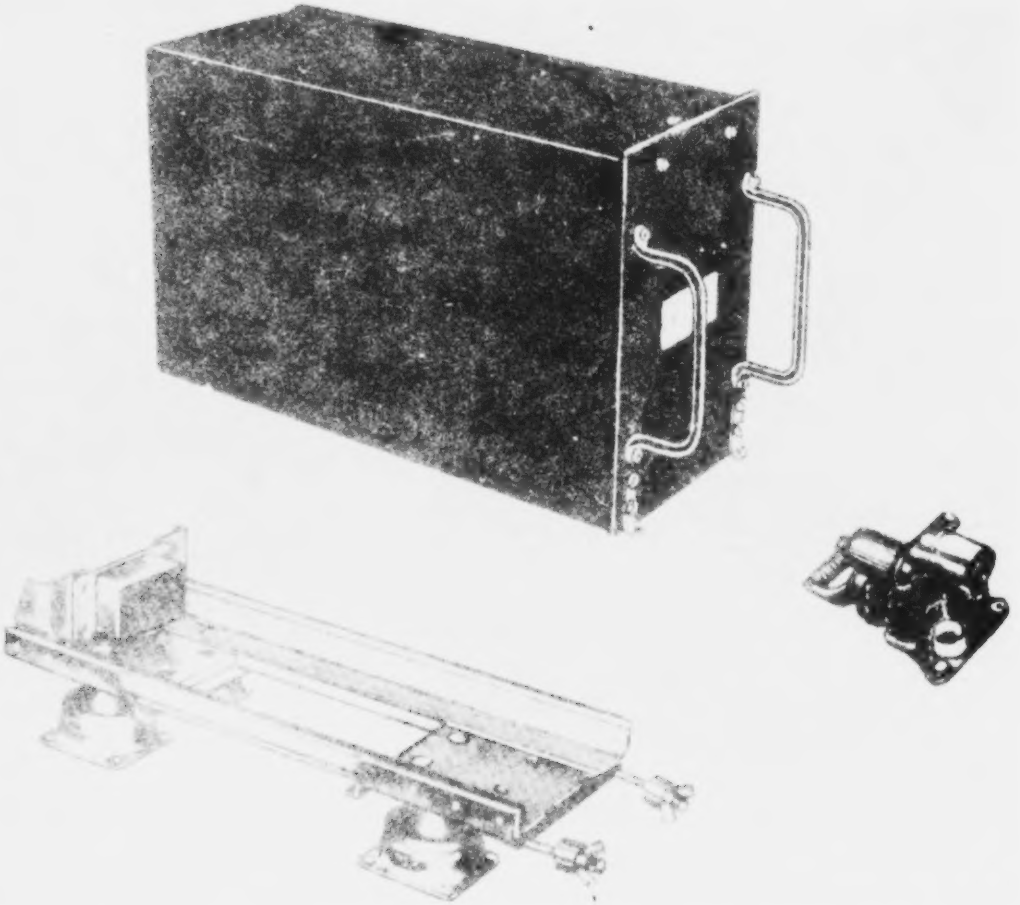


Figure 7. AN/AJA-5 Aircraft Propeller Synchrophaser Group

1. Brief Description: The AN/AJA-5 Aircraft Propeller Synchrophaser Group is designed to maintain aircraft engines at the same RPM, while simultaneously maintaining a specific relative phase (angular) relationship between the aircraft's propellers. This serves to reduce vibration and noise. The speed bias servo assembly Serves as the external servo mechanism which translates the synchrophaser signals into mechanical form. Power input requirement is 115 volts AC, 400 Hz, single phase. Major components of this set are as follows:

MT-2695/AJA-5 .... Mount
SN-324/AJA-5 .... Aircraft Propeller Synchrophaser

The following component is used with but not issued as part of the AN/AJA-5:

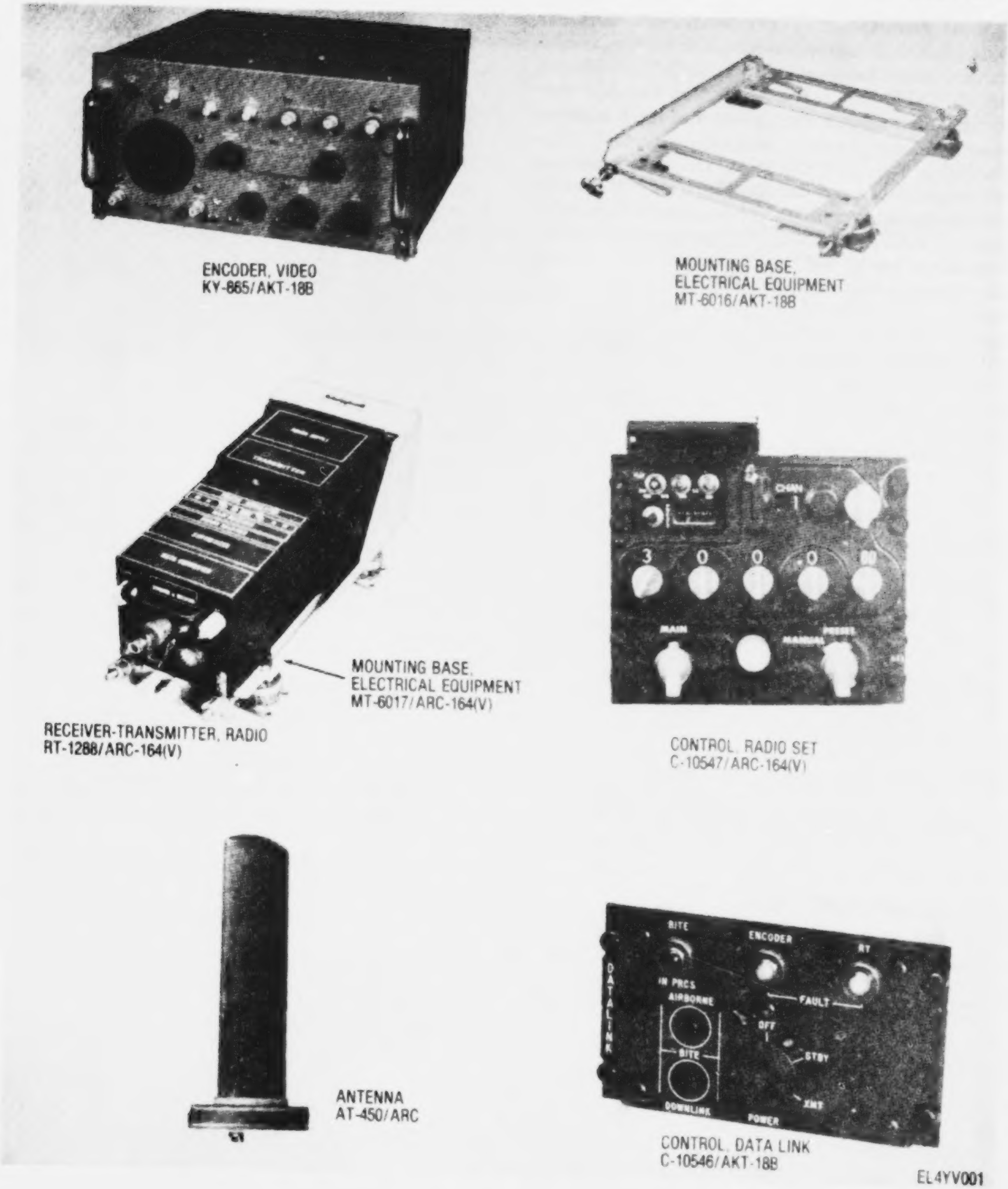
550512 .... Speed Bias Assembly

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-126		X	X
AN/ASM-127	X	X	
AN/USM-223	X	X	X
TS-1836/U			X
AN/USM-281/A		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-1610-244-24
TM 11-5895-310-12P
TM 11-5895-310-35P



ENCODER, VIDEO
KY-865/AKT-18B

MOUNTING BASE,
ELECTRICAL EQUIPMENT
MT-6016/AKT-18B

MOUNTING BASE,
ELECTRICAL EQUIPMENT
MT-6017/ARC-164(V)

RECEIVER-TRANSMITTER, RADIO
RT-1288/ARC-164(V)

CONTROL, RADIO SET
C-10547/ARC-164(V)

ANTENNA
AT-450/ARC

CONTROL, DATA LINK
C-10546/AKT-18B

EL4YV001

CHAN
1
3
0
0
0
00
MAIN
MANUAL
PRESET
BITE
ENCODER
RT
DATALINK
IN PRCS
AIRBORNE
FAULT
OFF
BITE
STBY
XMT
DOWNLINK
POWER

Figure 8. AN/AKT-18B Radar Data Transmitting Set

1. Brief Description: The AN/AKT-18( ) Radar Data Transmitting Set receives fixed target and moving target information from Radar Surveillance Set AN/APS-94( ) and transmits encoded converted video signals during left and right antenna operation to ground stationed Radar Data Receiving Set AN/TKQ-2( ). The data receiving set demodulates and decodes the UHF/FM signals and produces a permanent photographic film radar may of terrestrial fixed and moving targets for immediate use by field commanders. Identical and simultaneous maps may be produced in the airborne system AN/APS-94( ). There are three configurations of the AN/AKT-18( ) and they are used with different models of the AN/APS-94( ) and AN/TKQ-2( ) to comprise a radar surveillance system (refer to data sheets for AN/UPD-2 and AN/UPD-7).

Major components of the AN/AKT-18 are:

AT-450/ARC	Antenna
C-6598/AR	Control
CV-2094/A	Signal Data Converter-Storer
KY-565/AKT-18	Video Encoder
MT-2653/ARC	Mount (T-991)
MT-3448/AKT-18	Mount (KY-565)
MT-3617/A	Mount (CV-2094)
SB-2471/AKT-18	Power Distribution Panel
T-991/AR	Radio Transmitter

Major components of the AN/AKT-18A are:

AT-450/ARC	Antenna
C-6598/AR	Control
C-9963/AKT-18A	Control
KY-565A/AKT-18	Video Encoder
MT-2653/ARC	Mount (T-991)
MT-3448/AKT-18	Mount (KY-565A)
MT-4792/AKT-18A	Mount (PP-7255)
MT-4793/AKT-18A	Mount (J-2794/APS-94D)
PP-7255/AKT-18A	Power Supply-Synchronizer
T-991/AR	Radio Transmitter

Major components of the AN/AKT-18B are:

AN/ARC-164(V)12	Radio Set
AT-450/ARC	Antenna
C-10546/AKT-18B	Data Link Control
KY-865/AKT-18B	Video Encoder
MT-6016/AKT-18B	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
*** AN/AKM-2A	X		
*** AN/UKM-5		X	X
AN/URM-81			X
AN/URM-105C	X		
AN/URM-120		X	X
AN/YUSM-198			X
AN/USM-207A			X
AN/USM-223		X	X
AN/UAM-281A		X	X
CM-77/USM			X
CN-16/U			X
DA-Z75/U		X	X
ME-26B/U		X	X
ME-202/U			X
MK-772/Urc		X	X
* MK-856/AAKT-18		X	X
** MK-856A/AKT-18A		X	X
MX-2517/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1836/U		X	X
TV-7D/U		X	X

NOTE

Refer to the individual data sheet for tools and test equipment applicable to the AN/ARC-164(V)12.

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3. Applicable Publications:

TM 11-5841-255-12 (Pertains to AN/AKT-18, 18A)
TM 11-5841-255-35 (Pertains to AN/AKT-18, 18A)
TM 11-5841-255-35P (Pertains to AN/AKT-18, 18A)
TM 11-5841-287-12 (Pertains to AN/AJT-18B)

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* Applicable to AN/AKT-18 only.
** Applicable to AN/AKT-18A only.
*** Applicable to AN/AKT-18B only.

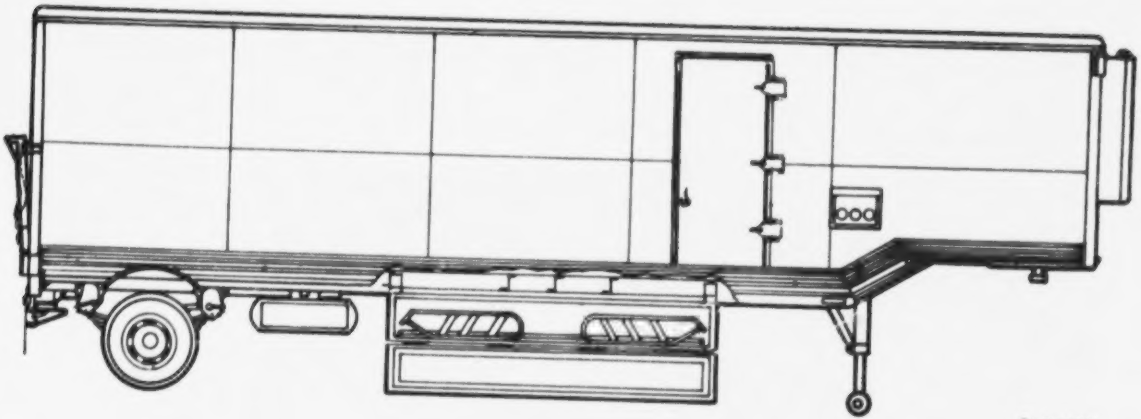


Figure 9. AN/ALM–153 Electronic Shop

1. Brief Description: The AN/ALM–153 Electronic Shop is a part of the Quick Look II system. It contains necessary test equipment and facilities required for organizational, direct and general support maintenance of the QL II mission equipment (AN/ALQ–133, AN/USQ–61A, AN/USM–393 and AN/ALM–154). Refer to TM 11–4940–476–14 for a detail listing of the integral components and basic issue items.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11–4940–47614 (Pertains to AN/ALM–153)
TM 11–4940–476–24P (Pertains to AN/ALM–153)
TM 11–5895–829–14 (Pertains to J–3238/ALM–153)
TM 11–5895–829–24P (Pertains to J–3238/ALM–153)
TM 11–6625–2646–14 (Pertains to TS–3447/ALM–153)
TM 11–6625–2646–24P (Pertains to TS–3447/ALM–153)
TM 11–6625–2647–14 (Pertains to SM–699/ALM–153)
TM 11–6625–2647–24P (Pertains to SM–699/ALM–153)
TM 11–6625–2649–14 (Pertains to C–9632/ALM–153)
TM 11–6625–2649–24P (Pertains to C–9632/ALM–153)
TM 11–6625–2650–24P (Pertains to SM–700/ALM–153)
TM 11–6625–2651–14 (Pertains to CU–2105/ALM–153)
TM 11–6625–2651–24P (Pertains to CU–2105/ALM–153)
TM 11–6625–2654–14 (Pertains to C–9539/ALM–153)
TM 11–6625–2654–24P (Pertains to C–9539/ALM–153)

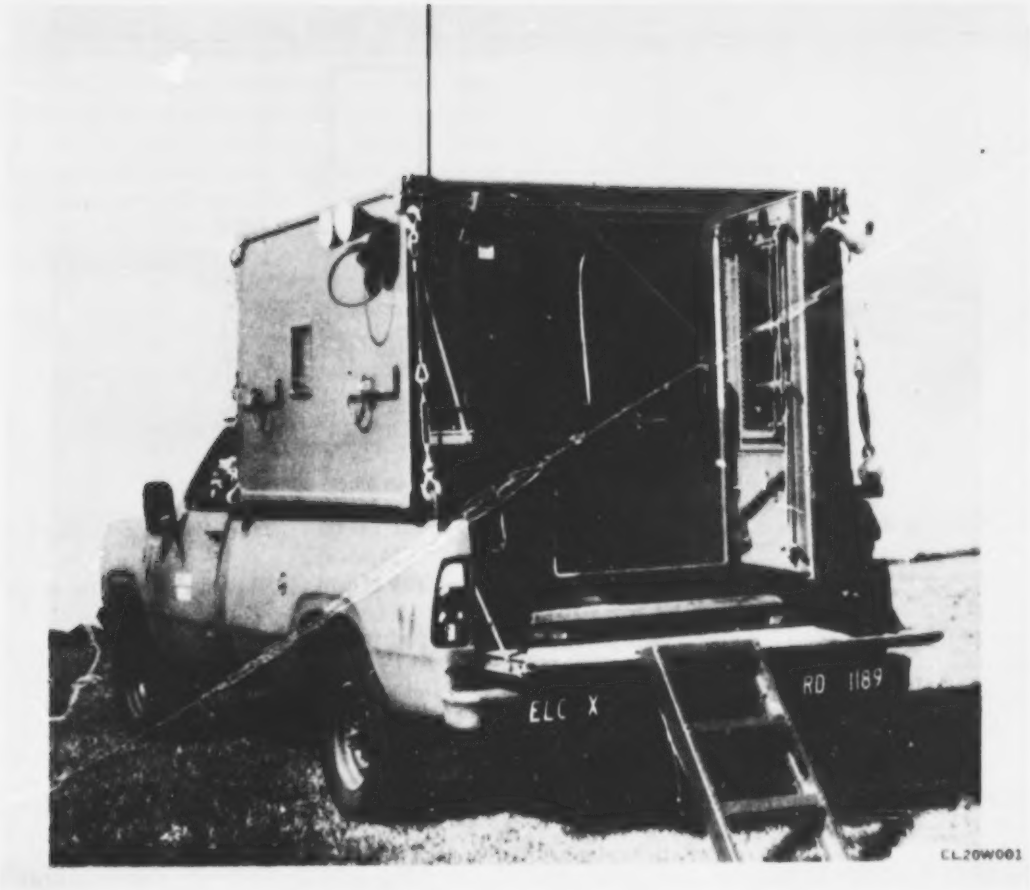


Figure 10. AN/ALM-154 Flight Line Test Set

1. Brief Description:

The AN/ALM-154 Flight Line Test Set is a part of the Quick Look II system. It is designed to perform flight line maintenance/operation functions on the AN/ALQ-133 and AN/USQ-61 installed in the RV-1D aircraft. It can be used to perform a preflight system test, load the AN/ALQ-133 computers, perform postflight test and obtain mission data dump. The AN/ALM-154 is also capable of isolating failures to a line replaceable unit (SRU). Major components are:

AN/USM-223	Multimeter
C-9632/ALM-153	Maint-Operator Control Panel
C-9633/UYK-23	Maint-Operator Panel (2 ea)
H-157/AIC	Headset-Microphone
J-3238/ALM-153	Interface Unit
PP-2953/U	Power Supply
RD-392/U	Tape Recorder-Reproducer
RT-542A/VRC	Receiver-Transmitter
S-250	Shelter (Modified)
SM-701&ALM-154	Intercept Receiver Group Simulator
2000 (Hazeltine)	Video Display Terminal

2. Applicable Tools and Test Equipment:

Not defined at the time of this printing.

3. Applicable Publications:

TM 11-5895-955-10-1 (Pertains to AN/ALQ-133, AN/USM-393 and AN/ALM-154)
TM 11-5895-955-10-2 (Pertains to AN/ALQ-133, AN/USM-393 and AN/ALM-154)
TM 11-6625-2656-24 (Pertains to AN/ALM-154 only)
TM 11-6625-2656-24P (Pertains to AN/ALM-154 only)

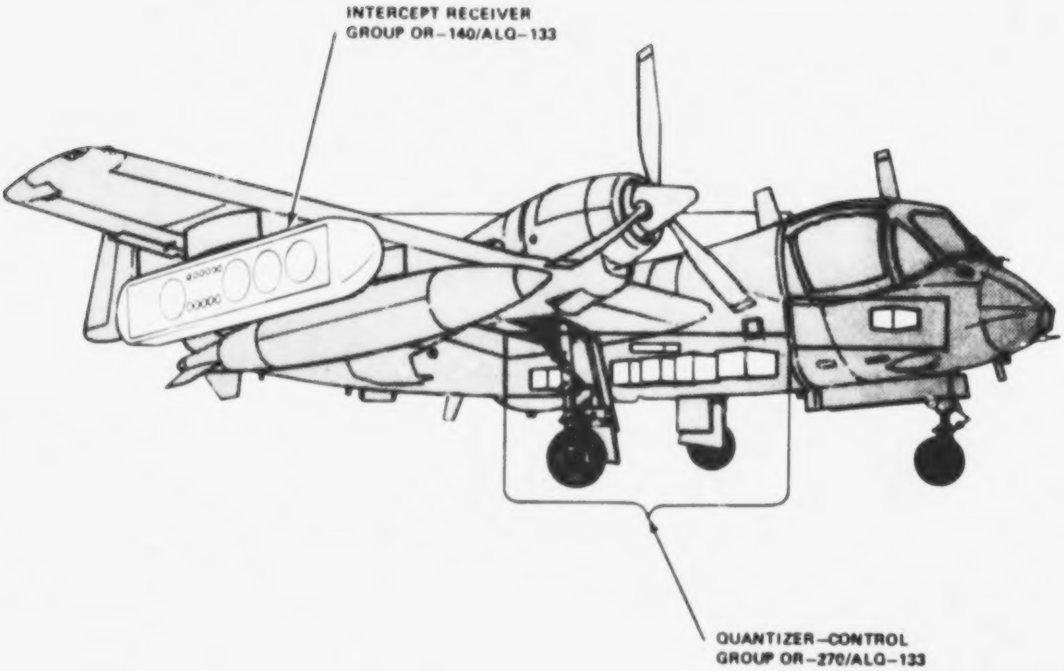


Figure 11. AN/ALQ–133 Countermeasures Receiving Set

1. Brief Description: The AN/ALQ–133 Countermeasures Receiving Set is a part of the Quick Look II system and is installed in the RV–1D aircraft. It collects data pertaining to real-time location of electromagnetic emitters and electronic order-of-battle (EOB) information and relays that data to the AN/USM–393 ground based simulator via the AN/USQ–61 secure data link. Major components of the AN/ALQ–133 are:

OK–270/ALQ–133 - Quantizer-Control Group consisting of:	
AN/UYK–23	Digital Computer Set (2 ea)
BB–507/U	Battery
C–9537/ALQ–133	Monitor-Controller
C–9538/ALQ–133	Indicator Control
CU–2104/ALQ–133	Power Divider (2 ea)
O–1672/ALQ–133	Frequency Synthesizer (2 ea)
PP–7035/ALQ–133	Power Supply
OR–140/ALQ–133 Intercept Receiver Group (2 ea) consisting of:	
AS–2994/ALQ–133	Spiral Antenna (4 ea)
C–9536/ALQ–133	Power Supply Control
CM–446/ALQ–133	Phase Comparator
CM–447/ALQ–133	Signal Comparator
CV–3171/ALQ–133	Converter-Processor
CV–3174/ALQ–133	Frequency Converter (2 ea)
CV–3395/ALQ–133	Converter-Processor Group consisting of:
AS–2995/ALQ–133	Spiral Antenna (5 ea)
CV–3172/ALQ–133	Converter-Processor
CV–3396/ALQ–133	Converter-Processor Group consisting of:
AS–2996/ALQ–133	Spiral Antenna (4 ea)
AS–2997/ALQ–133	Trigger Antenna
AS–2998/ALQ–133	Trigger Antenna
CV–3173/ALQ–133	Converter-Processor
CY–7410/ALQ–133	Intercept Receiver Pod

2. Applicable Tools and Test Equipment:

Not defined at the time of this printing.

3. Applicable Publications:

TM 11–5895–831–24–1 (Pertains to AN/ALQ–133 only)
TM 11–5895–831–24–2 (Pertains to AN/ALQ–133 only)
TM 11–5895–831–24P (Pertains to AN/ALQ–133 only)
TM 11–5895–955–10–1 (Pertains to AN/ALQ–133, AN/USM–393 and AN/ALM–154)
TM 11–5895–955–10–2 (Pertains to AN/ALQ–133, AN/USM–393 and AN/ALM–154)

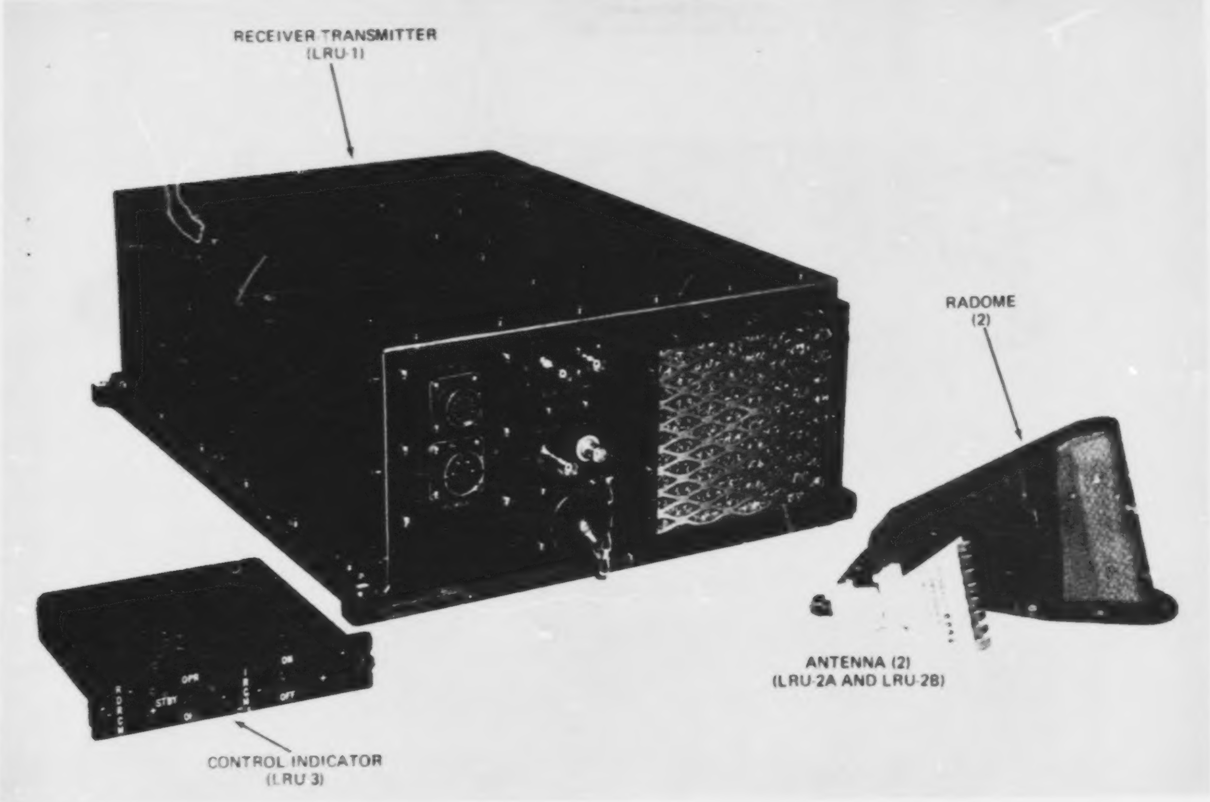


Figure 12. AN/ALQ136(V)1 Countermeasures Set

1. Brief Description:

The AN/ALQ–136(V)1 Countermeasures Set (CMS) is an automatic radar jammer that analyzes incoming radar signals from threat air defense acquisition and tracking radars. When signals are identified, as from a threat source, jamming automatically begins and continues until the threat radar breaks lock. The system ceases jamming but continues to receive and analyze radar signals. The AN/ALQ–136(V)1 has the ability to defeat two threats simultaneously and is designed for the AH–1S (modernized) helicopter. The AN/ALQ–136(V)2, AN/ALQ–136(V)3, AN/ALQ–136(V)4 and the AN/ALQ–136(V)5 are all similar to the AN/ALQ–136(V)1 version but are designed for specific aircraft amplication (ALQ–136(V)2 for the OV–1, RV–1; ALQ–136(V)3 for the RU, RC–12; ALQ–136(V)4 for EH–1, EH–60; ALQ–136(V)5 for the AH–64). Major components are:

AN/ALQ–136(V)1
- AS–3007/ALQ–136
- C–9576/ALQ–144
- RT–1149/ALQ–136

NOTE

Major components of the other versions have not been defined as of this printing.

2. Applicable Tools and Test Equipment:

Type No.	*O (AVUM)*	*F/H (AVIM)*
*TS–3614	X	
*TS–3614A	X	
TS–3615		X
TS–3615A		X

* Peculiar to AN/ALQ–136(V)1

NOTE

Other tool/test equipment requirements not defined at the time of this printing.

3. Applicable Publications:

TM 11–5865–202–20P(Pertains to AN/ALQ–136(V)1)

TM 11–5865–202–30P(Pertains to AN/ALQ–136(V)1)

(Ilustration not available)

Figure 13. AN/ALQ-143 Special Purpose Countermeasures Set

1. **Brief Description:** The AN/ALQ-143 Special Purpose Countermeasures Set is intended to be a part of the MULTEWS. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:** Not defined at the time of this printing.

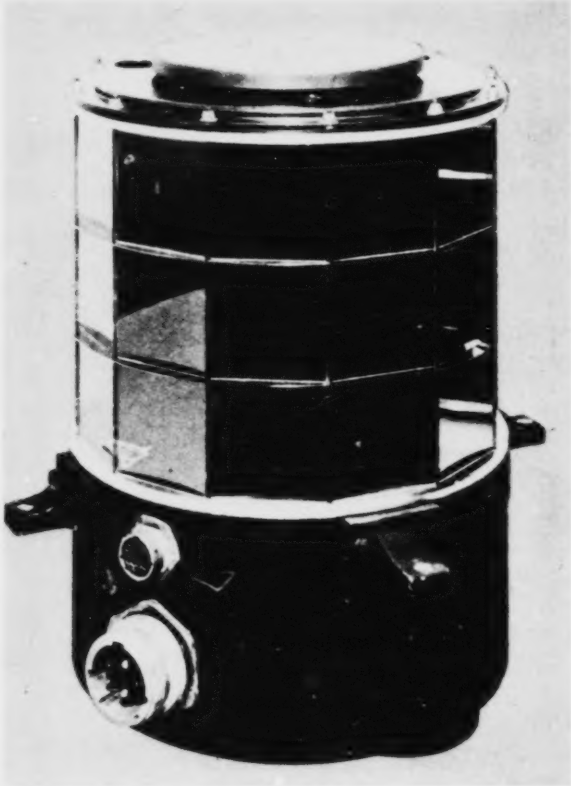


Figure 14. T-1360/ALQ-144 Transmitter

1. Brief Description: The AN/ALQ-144(V) Countermeasures Set is a small lightweight, omnidirectional infrared (IR) jammer which confuses the guidance mechanism of threat infrared missiles. There are two configurations of the AN/ALQ-144(V) which differ only in the Operator Control Unit used. The (V)1 system uses the C-10280/ALQ-144 which controls only the T-1360(V)1/ALQ-144. The (V)3 system uses the C-9576/ALQ-144 which controls both the T-1360/ALQ-144 and the AN/ALQ-136 which is described elsewhere in this publication. Major components of the two systems are:

AN/ALQ-144(V)1

C-10280/ALQ-144	Operators Control Unit
CY-7611/ALQ-144	Transit Case
T-1360(V)1/ALQ-144	Transmitter

AN/ALQ-144(V)3

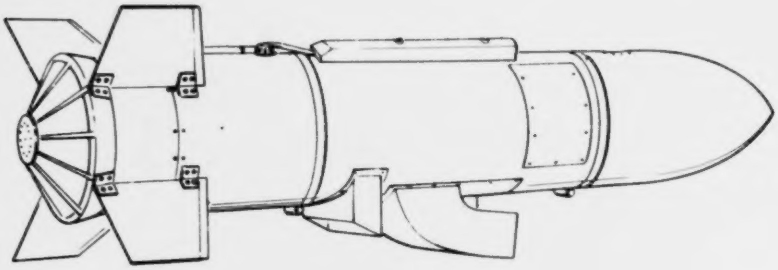
C-9576/ALQ-144	Operators Control Unit
CY-7611/ALQ-144	Transit Case
T-1360(V)1/ALQ-144	Transmitter

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

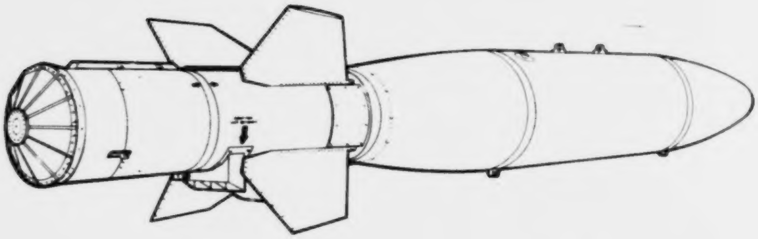
Type No.	*O*	*F*	*H*
AN/ALM-178		X	X
AN/USM-207A		X	X
AN/USM-223G		X	X
AN/USM-281C		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-5865-200-12
TM 11-5865-200-20P
TM 11-5865-200-34-1
TM 11-5865-200-34-2
TM 11-5865-200-34P



a. AN/ALQ-147A (V)1



b. AN/ALQ-147A (V)2

Figure 16. AN/ALQ–147A(V) Countermeasures Set

1. Brief Description:

The AN/ALQ–147A(V) Countermeasures Set is designed to provide an effective airborne countermeasure against Infrared (IR) seeking missiles. Further details pertaining to the description of this equipment are classified. There are two configurations of the AN/ALQ–147A(V) as follows:

AN/ALQ–147A(V)1 — A "stand-alone" version (includes a 12 gallon fuel tank) installed on OV–1D aircraft.
AN/ALQ–147A(V)2 — Mounts on the rear of a modified 150 gallon wing tank on RV–1D aircraft.

Major components are:

		V1	*V2*
C–10698/ALQ-147A(V)	Operator Control Unit	1	1
CY–7783/ALQ–147A(V)	Transmitter Transit Case	1	
CY–7784/ALQ–147A(V)	Transmitter Transit Case		1
CY–7785/ALQ–147A(V	Modulator Transit Case	1	1
MD–1074/ALQ–147A(V)	Modulator Assembly	1	1
T–1407/ALQ–147A(V)	Transmitter Assembly	1	
T–1408/ALQ–147A(V)	Transmitter Assembly		1

2. Applicable Tools and Test Equipment:

See Appendix B ford nomenclature, NSN, etc.

Type No.	*O* *(AVUM)*	*F/H* *(AVIM)*
AN/ALM–166A	X	X
AN/USM–207		X
AN/USM–223	X	X
AN/USM–281		X
TK–100/G		X
TK–101/G	X	
TK–105/G		X

3. Applicable Publications:

TM 11–5895–1051–12
TM 11–5895–1051–24P
TM 11–5895–1051–34–1
TM 11–5895–1051–34–2

(Illustration Not Available)

Figure 17. AN/ALQ–151(V)1 & AN/ALQ–151(V)2 Countermeasure Sets

1. Brief Description: The AN/ALQ–151(V)1 and AN/ALQ–151(V)2 are special purpose countermeasure systems that detect, locate, fix and jam target emitters in the VHF frequency range. The (V)1 version is installed in the EH–1X helicopter whereas the (V)2 will be installed in the EH–60A. Both systems are computer controlled; however, the (V)1 version uses a single operator whereas two operators are required for operation of the (V)2. The systems may be operated independently in the LOCAL mode or a number of systems in separate helicopters may be operated together in the NET mode. Major components of both systems are:

		AN/ALQ–151 (V)1	*AN/ALQ–151 (V)2*
AM–7121/ALQ–151	Amplifier	1	1
AN/UYH–1	Recorder/Reproducer Set	1	1
AN/UYK–19	Data Processing Set	1	1
AN/UYQ–10	Plasma Display Set	1	2
AS–3130/ALQ–151	Antenna	4	
AS–3578/ALQ–151	Antenna		4
C–1611/AIC	Intercom	2	
C–6533/ARC	Intercom		2
C–10026/USQ	Control, Receiver	1	1
C–10027/USQ	Control-Indicator	1	1
C–10050/USQ	Control-Indicator, Comm	1	1
C–10144/USQ	Control-Indicator, DF	1	1
C–10614(V)6/ARC–186	Control (RT–1300)		1
C–11002/USQ	DF Control	1	1
C–11124/ALQ–151	Comm. Control		1
CU–2293/ALQ–151	Tunable Control		1
F–1429/ALQ–151	Bandpass Filter	1	1
F–1515/ALQ–151	Low Pass Filter	1	1
ID–2090/ALQ–151	Panel Indicator	1	
ID–2091/U	BDH Indicator	1	
ID–2300/ALQ–151	Panel Indicator		1
ID–2301/U	BDH Indicator		1
ID–2302/ALQ–151	Panel Indicator		1
IP–1251/USQ	Panoramic Indicator	1	1
J–3400/ALQ–151	Distribution Box	1	
J–3415/ALQ–151	Distribution Box	1	
J–3986/ALQ–151	Distribution Box		1
KY–836/ALQ–151	Keyboard	1	1
MT–6051/ARC–186	Mount (RT–1300)		1
MX–9855/ALQ–151	DF Interface	1	
MX–10250/USQ	RF Processor	1	1
MX–1025/USQ	Comm. Processor	1	1
MX–10374/UYK–19A	DF Interface		1
OE–330/ALQ–151	Antenna Group	1	
OE–344/ALQ–151	Antenna Group		1
PP–6875A/UNH–16A	Power Supply	1	1
PP–7292A/USQ	Power Supply	1	1
PP–7293A/USQ	Power Supply	1	1
PP–7294A/USQ	Power Supply	1	1
PP–7472/TLQ–17A	Power Supply	1	1
R–2017/U	Receiver	1	1
R–2107/TLQ–17A	Countermeasures Receiver	1	1
RD–385A/UNH–6A	Recorder-Reproducer	1	1
RE–1131/ALQ–151	Relay Assembly	1	
RE–1136/ALQ–151	Relay Assembly		1
RT–1167( )/ARC–164	Receiver-Transmitter	1	2
RT–1300/ARC–186	Receiver-Transmitter		1
T–1836/TLQ–17A	Countermeasures Transmitter	1	1
TD–1354/ALQ–151	Time Group Generator		1
TSEC/KG–45	Electric Key Generator (CPO)	1	
TSEC/KY–58	Comm Security Set (CPO)		2
TT–580(V)1/U	Teleprinter	1	
TT–772(P)/G	Teleprinter		1
C5065792–1	Power Sensor	1	1
G–1169	Antenna	1	
1951–1–1009	Power Line Filter	1	1
204–075–705–45	Caution Panel	1	
3686–8000	Bite Antenna	1	

2. Applicable Tools and Test Equipment:

Not definitized at the time of this printing.

3. Applicable Publications:

TM 11–7021–201–12(Pertains to AN/UYK–19, AN/UYH–1 & AN/UYQ–10)
TM 11–7021–201–30(Pertains to AN/UYK–19)
TM 11–7035–202–30(Pertains to AN/UYQ–10)

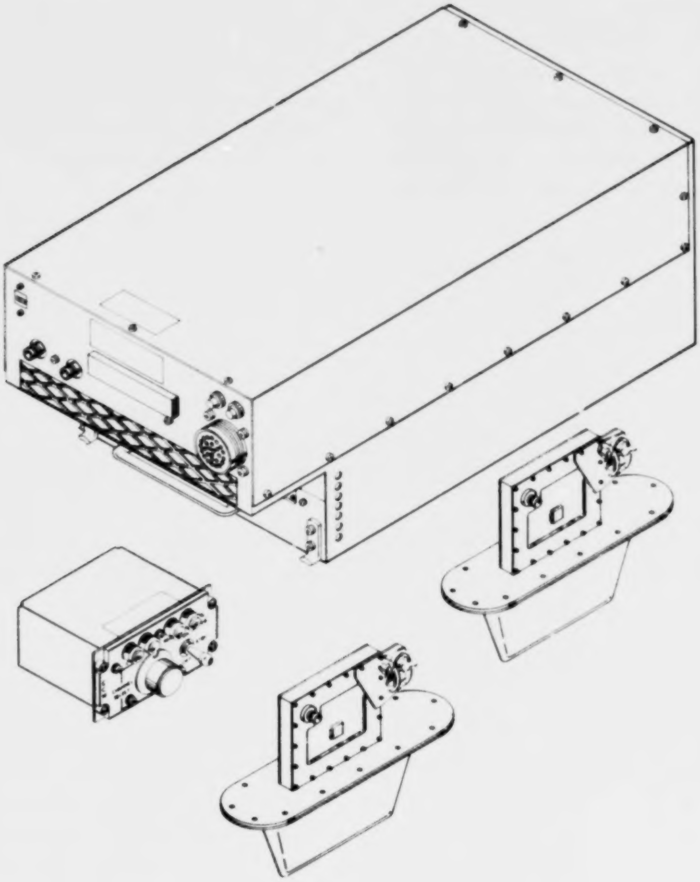


Figure 18. AN/ALQ-156(V)1 Countermeasures Set

1. Brief Description: The AN/ALQ-156(V)1, (V)2 and (V)3 are airborne radar systems which provide protection to the aircraft in which they are installed by detecting the approach of antiaircraft missiles. Upon detection, the missile detector automatically initiates a countermeasures signal which may be used to trigger the M-130 Dispenser System. The dispenser system releases a flare to decoy an infrared seeking missile away from the aircraft. The (V)1 version is designed to operate on the CH-47 aircraft. The (V)2 and (V)3 versions, currently in the full scale development phase, are designed for fixed wing aircraft (OV-1, RV-1, RC-12, and RU-21) and rotary wing (EH-1, EH-60A) application, respectively. Major components of the AN/ALQ-156(V)1 are: (components of the (V)2 and (V)3 version not defined at the time of this printing).

AS-3149/ALQ-156(V)	. . . . . Antenna (2 ea)
C-10131/ALQ-156(V)	. . . . . Control-Indicator
RT-1220/ALQ-156(V	. . . . . . Receiver-Transmitter

2. Applicable Tools and Test Equipment:

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/PSM-45		X
AN/USM-281C		X
ME-441/U(HP 432)		X
MX-7772/U		X
TD-1225(V)2/U		X
TK-101/G		X
TS-3609/ALQ-156		X
P6008(Tektronix)		X
Maintenance Assist Module (SM-0-991746)		X
Torque Wrench		X

3. Applicable Publications:

TM 11-5865-201-12
TM 11-5865-201-20P
TM 11-5865-201-30-1
TM 11-5865-201-30-2(Classified)
TM 11-5826-201-30P

(Illustration Not Available)

Figure 19. AN/ALQ-162(V)2 Countermeasures Set

1. Brief Description: The AN/ALQ-162(V)2 Countermeasures Set provides warning and protection against Surface-to-Air Missiles and Airborne interceptor missiles that use Continuous Wave (CW) for guidance. The CW signals detected by the system will be validated and either jamming will be initiated and/or warning will be given to the crew. The specific action taken by the system is determined by warning and jamming thresholds preprogrammed in the system. Warning/Jamming information will be visually displayed on the AN/APR-39 Radar Detecting Set Indicator. When deployed, this system will replace the AN/APR-44(V)1 and the AN/APR-44(V)3 Radar Warning Systems. Major components of the AN/ALQ-162(V)2 are:

AS-3554/ALQ-162(V)	Antenna (2 each)
C-11080/ALQ-162(V)	Control
RT-1377/ALQ-162(V)	Receiver-Transmitter

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-5865-229 Series (To be published)

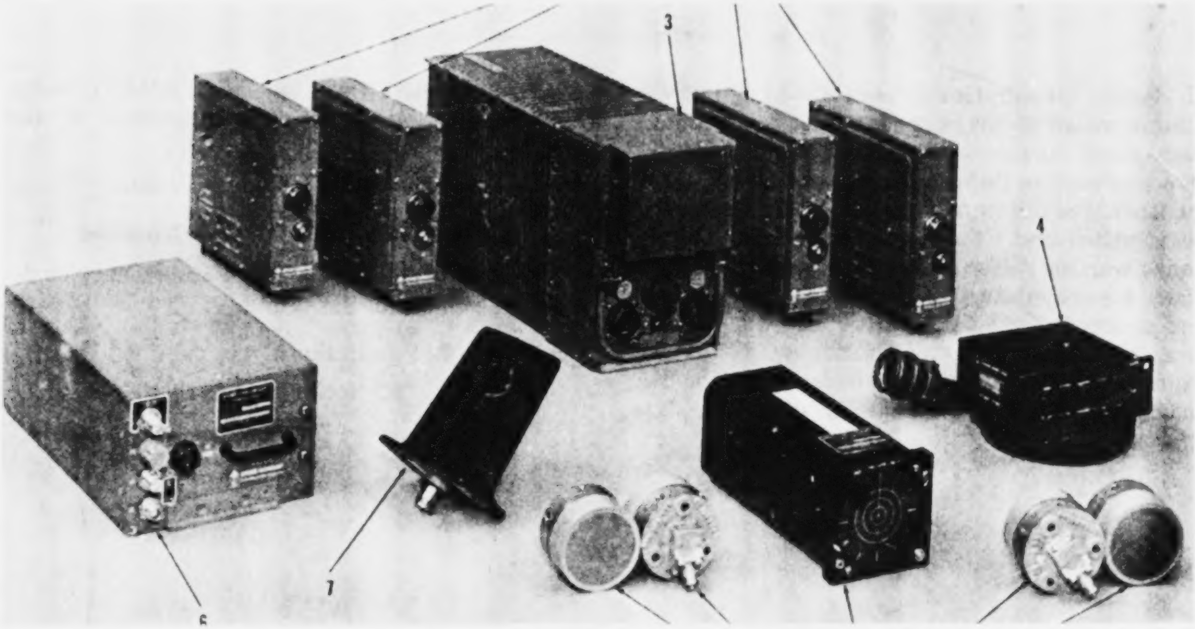


Figure 20. AN/ALR-46(V) Countermeasures Receiving Set

1. Brief Description: The AN/ALR(V) Countermeasures Receiving Set is an airborne system which enables the crew of tactical aircraft to detect the presence of threat radar signals and to identify certain characteristics of those signals. A more detailed description of this system is classifed. The AN/ALR-45(V) is essentially a product improved AN/APR-25/26 system and includes the following major components:

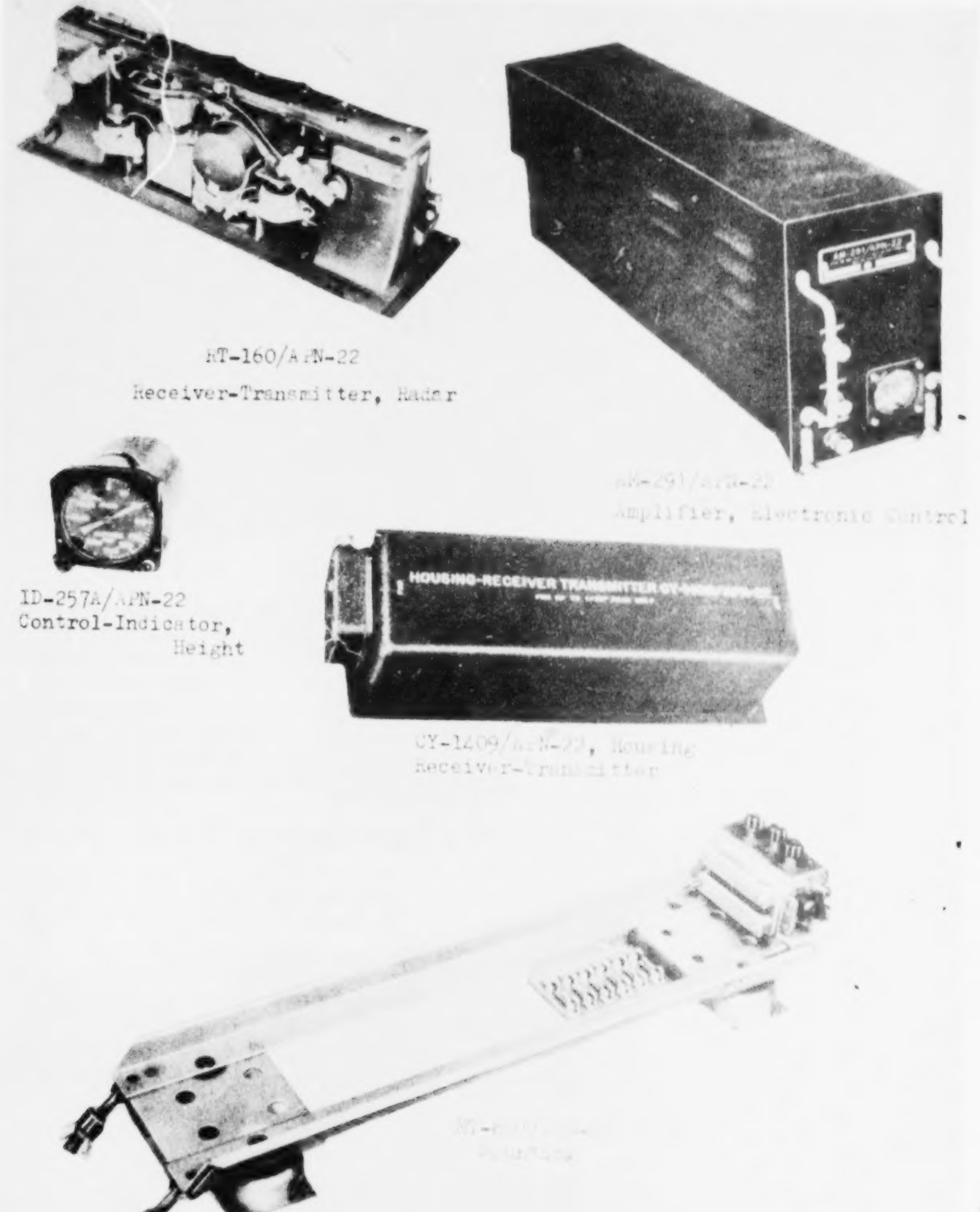
AM-6639/ALR-46(V)	Amplifier-Detector (4 each)
CM-442/ALR-46(V)	Signal Processor
ID-1902/ALR-46(V)	Indicator-Control
IP-957/APR-36(V) or	Azimuth Indicator
31-011203-01	Azimuth Indicator
R-1854/ALR-46(V)	Receiver
AST-1503A	Spiral Antenna (4 each)
21-036312-01A	Blade Antenna

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/APM-379		X
AN/APM-380		X
AN/APM-381		X
AN/GSM-64B		X
AN/UPM-15A		X
AN/URM-52A		X
AN/URM-61A		X
AN/USM-161		X
AN/USM-207A		X
AN/USM-223		X
AN/USM-281C		X
CM-77A/USM		X
CN-1201/U		X
PP-3940A/G		X
SG-340A/G		X
SG-944/U		X
SM-568/APM-327	X	
SM-683/APM-327A	X	
SM-684/APM-327A	X	
TK-100/G		X
TK-101/G	X	
TK-105/G		X
UG-274A/U		X
GRFF1029-0001		X
M 15500-20		X
M 15513-20		X
M 15514-20		X
M 15570-20		X
RJE-10	X	
T 8438	X	
TTF-750-5-5EE		X
TTF-1500-5-5EE		X
8403A		X
8731B		X
8732B		X
8733B		X
8734B		X
Temperature Meter		X
Temperature Probe		X

3. **Applicable Publications**:

TM 11-5895-850-40P (Pertains to CM-442)
TM 11-5895-851-24P (Pertains to R-1854)
TM 11-5895-853-24P (Pertains to IP-957 and ID-1902)
TM 11-5895-933-14 (Pertains to AN/ALR-46)
TM 11-5895-933-24P-2 (Pertains to AN/ALR-46)


HOUSING-RECEIVER TRANSMITTER CY-
AM-291/APN-22

RT-160/APN-22
Receiver-Transmitter, Radar

AM-291/APN-22
Amplifier, Electronic Control

ID-257A/APN-22
Control-Indicator,
Height

CY-1409/APN-22, Housing
Receiver-Transmitter

MT-[illegible]
Mounting

Figure 21. AN/APN-22 Radar Altimeter Set

1. **Brief Description**: The AN/APN-22 is a microwave altimeter which is designed to measure terrain clearance of an aircraft. The equipment operates in the 4200-4400 MHz band and is designed to provide operation over the ranges of 0-10,000 feet over land and 0-20,000 feet over water. The transmitter has a nominal RF power output of 1 watt. The operating power requirements are 28 volts DC at 1.35 amp; 115 volts AC, 320 to 1000 Hz at 145 watts; 115 volts AC, 380-420 Hz at 25 watts. Major components of this set are as follows:

AM-291/APN-22	Electronic Control Amplifier
CY-1409A/APN-22	Receiver-Transmitter Housing
ID-257A/APN-22	Height Indicator
MT-803/APN-22	Mounting
RT-160/APN-22	Receiver-Transmitter

2. **Applicable Tools and Test Equipment**: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/APM-66	X	X	X
SN/URM-105	X		
AN/URM-127		X	X
AN/USM-223		X	X
ME-26B/U		X	X
ME-30A/U		X	X
OS-8/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TV-7D/U		X	X

3. **Applicable Publications**:

TM 11-5841-216-10
TM 11-5841-216-20P
TM 11-5841-216-25
TM 11-5841-216-35P

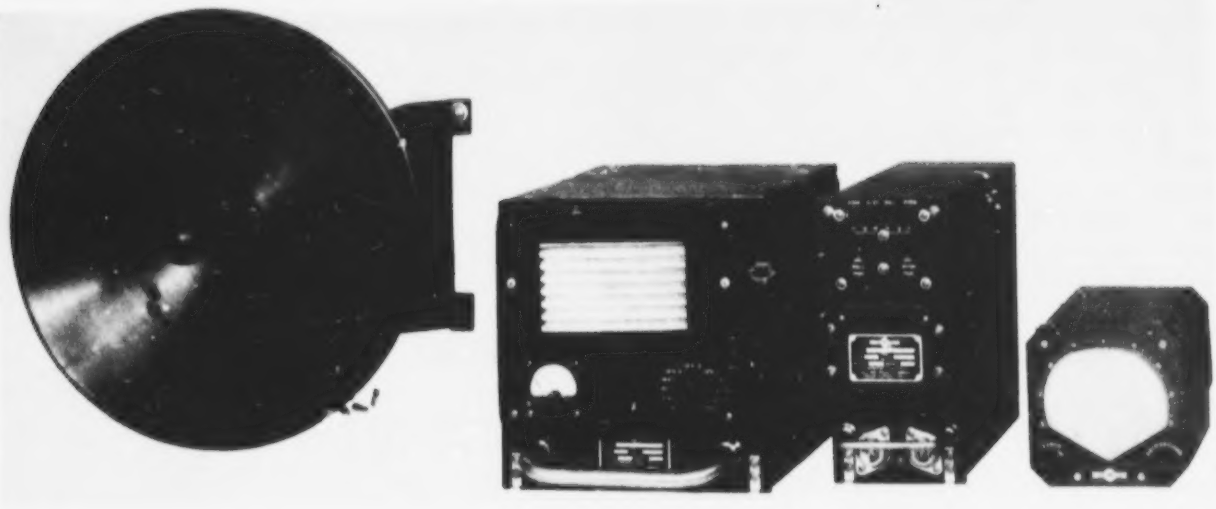


Figure 22. AN/APN-158( ) Airborne Weather Radar Set

1. Brief Description: The AN/APN-158 and AN/APN-158A are pulse modulated radar sets used to locate weather fronts in terms of range and azimuth bearing in relation to the position of an aircraft and identify areas potentially dangerous to flight by enabling the pilot to avoid storms or turbulent areas. It may also be used as a navigational aid. The sets transmit and receive at 9375 MHz with a minimum peak power output of 15,000 watts. The power requirement is 115 volts AC, 400 Hz at 150 watts. The major components of the sets are as follows:

AN/APN-158	
AS-1520/APN-158	Antenna
C-4881/APN-158	Radar Set Control
IP-724/APN-158........	Azimuth Range Indicator
MT-3068/APN-158......	Receiver-Transmitter Mount
MT-3069/APN-158......	Synchronizer Mount
RT--711/APN-158	Receiver-Transmitter
SN-358/APN-158	Synchronizer
AN/APN-158A	
AS-1520A/APN-158.....	Antenna
C-4881/APN-158	Radar Set Control
IP-724A/APN-158	Azimuth Range Indicator
MT-3068/APN-158......	Receiver-Transmitter Mount
MT-3069/APN-158......	Synchronizer Mount
RT-711A/APN-158......	Receiver-Transmitter
SN-358A/APN-158......	Synchronizer

NOTE

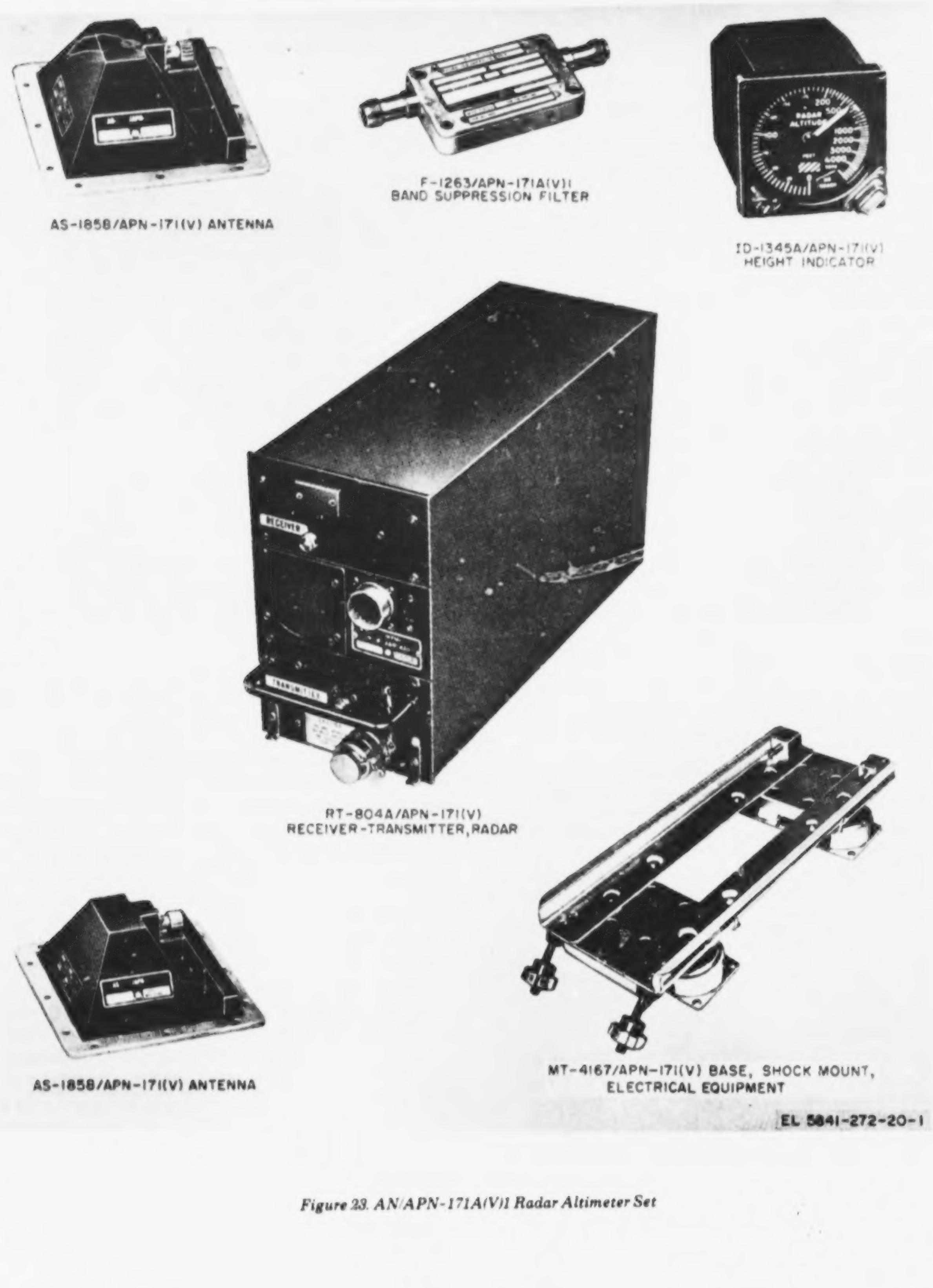
Interchange of components between the AN/APN-158 and AN/APN-158A is not recommended.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/APM-246		X	X
AN/APM-247		X	X
AN/PPM-1A		X	X
AN/URM-127		X	X
AN/USM-44B		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
ME-26D/U		X	X
MK-774/APN-158		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-147F/UP		X	X
TS-488A/AP		X	X
TS-1836B/U			X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5841-241-12
TM 11-5841-241-20P
TM 11-5841-241-34-1
TM 11-5841-241-34P
TM 11-5841-241-34P-1
TM 11-5841-241-35


AS-1858/APN-171(V) ANTENNA

F-1263/APN-171A(V)1
BAND SUPPRESSION FILTER

ID-1345A/APN-171(V)
HEIGHT INDICATOR

RT-804A/APN-171(V)
RECEIVER-TRANSMITTER, RADAR

AS-1858/APN-171(V) ANTENNA

MT-4167/APN-171(V) BASE, SHOCK MOUNT,
ELECTRICAL EQUIPMENT

RADAR ALTITUDE
200
500
1000
2000
3000
4000
FEET
RECEIVER
TRANSMITTER
EL 5841-272-20-1

Figure 23. AN/APN-171A(V)1 Radar Altimeter Set

1. Brief Description: The AN/APN-171A(V)1 altimeter set is an airborne low-altitude, terrain-tracking and altitude-sensing radar system. The altimeter set uses narrow pulse transmission and leading edge tracking of the echo return pulse for a continuous indication of aircraft altitude. Accurate high resolution tracking is maintainable at altitudes between 0 and 5000 feet as displayed on a servo actuated height indicator. The pilot of the aircraft is provided with information on distance to the nearest terrain and also enables a pilot to maintain accurate altitude reference during low level operations. The transmitter operates at a frequency of 4300 MHz with a peak power of 25 to 100 watts at 0 to 1000 feet and 100 to 300 watts at 1000 to 5000 feet. The input power requirements are 115 volts AC, 400 Hz at 100 watts and 27.5 volts DC at .35 amp. Major components of the AN/APN-171(V)1 are as follows:

AS-1858/APN-171(V)	Antenna (2 ea)
F-1263/APN-171A(V)	Band Suppression Filter
ID-1345A/APN-171(V)	Height Indicator
MT-4167/APN-171(V)	Mounting Rack
RT-804A/APN-171(V)	Receiver-Transmitter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/APM-322			X
AN/APM-323		X	X
AN/URM-52B			X
AN/URM-98			X
SN/URM-105C	X		
AN/USM-223		X	X
AN/USM•281A		X	X
ME-202B		X	X
TK-100/G		X	X
TK-101&G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-5841-272-20
TM 11-5841-272-20P-1
TM 11-5841-272-24P
TM 11-5841-272-34P-1
TM 11-5841-272-35

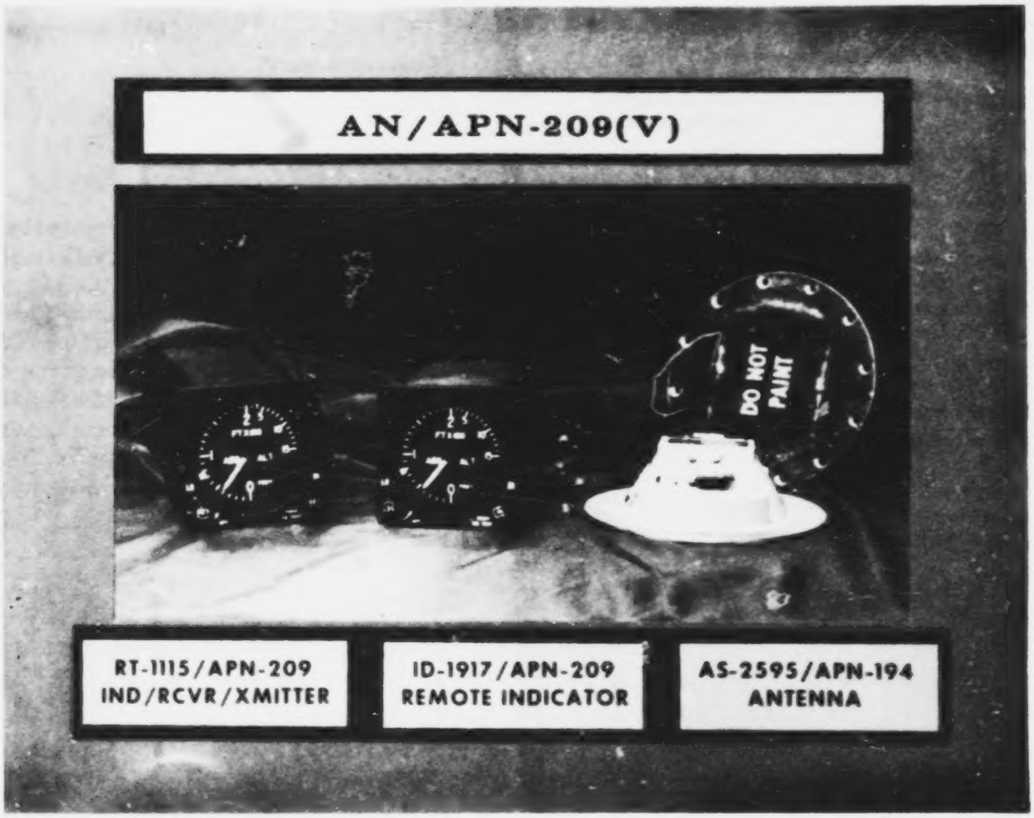

AN/APN-209(V)
DO NOT PAINT
RT-1115/APN-209 IND/RCVR/XMITTER
ID-1917/APN-209 REMOTE INDICATOR
AS-2595/APN-194 ANTENNA

Figure 24. AN/APN–209( )(V)2 Radar Altimeter Set

1. Brief Description: The AN/APN–209( )(V) is an absolute (radar) altimeter which provides an accurate indication of the altitude of an aircraft over all types of terrain surfaces such as foliage, deep snow, water, and land. Range of the AN/APN–209( )(V) is 0–1500 feet. Warnings are provided when the aircraft is at, above or below certain fixed or pilot adjustable altitudes. For altitudes up to 250 feet, the accuracy of the AN/APN–209( )(V) is plus or minus 3 feet plus 3% of true altitude. Above 250 feet, accuracy is plus or minus 5% of true altitude. The AN/APN–209( )(V) operates within a frequency range of 4200 MHz to 4400 MHz and will provide reliable operation at all speeds up to 300 knots on the ground over any terrain. A self-test feature for inflight/preflight testing is incorporated as is a 10,000 hour elapsed time indicator. Input power requirement is 27.5 volts DC at 2 amperes maximum. Following are the various configurations of the AN/APN–209( )(V) system:

AN/APN–209(V)1 consists of:

AS–2595/APN–194(V)	Antenna (2 ea)
RT–1115/APN–209(V)	Receiver-Transmitter, Height Indicator

AN/APN–209(V)2 consists of:

AS–2595/APN–194(V)	Antenna (2 ea)
ID–1917/APN–209(V)	Height Indicator
RT–1115/APN–209(V)	Receiver-transmitter, Height Indicator

AN/APN–209A(V)1 consist of:

AS–2595/APN–194(V)	Antenna (2 ea)
RT–1115A/APN–209(V)	Receiver Transmitter, Height Indicator

AN/APN–209A(V)2 consist of:

AS–2595/APN–194(V)	Antenna (2 ea)
ID–1917/APN–209(V)	Height Indicator
RT–1115A/APN–209(V)	Receiver-Transmitter, Height Indicator

AN/APN–209A(V)3 consists of:

AS–2595/APN–194(V)	Antenna (2 ea)
ID–1917/APN–209(V)	Height Indicator (2 ea)
RT–1115A/APN–209(V)	Receiver-Transmitter

AN/APN-209B(V)1 consists of:

AS-2595/APN-194(V)	Antenna (2 ea)
ID-1917A/APN-209(V	Height Indicator (Green Light)
RT-1115B/APN-209(V)	Receiver-Transmitter Height, Indicator

AN/APN-209B(V)2 consists of:

AS-2595/APN-194(V)	Antenna (2 ea)
RT-1115B/APN-209(V)	Receiver-Transmitter, Height Indicator (Green Light)

AN/APN-209B(V)3 consists of:

AS-3586/APN-209A(V)	Antenna (2 ea)
RT-1411/APN-209A(V)	Receiver-Transmitter

AN/APN-209B(V)4 consists of:

AS-2595/APN-194(V)	Antenna (2 ea)
RT-1411/APN-209A(V)	Receiver-Transmitter
ID-1917A/APN-209A(V)	Height Indicator (Green Light)

AN/APN-209B(V)5 will consist of:

AS-2595/APN-194(V)	Antenna (2 ea)
RT-1411/APM-209A(V)	Receiver-Transmitter

2. Applicable Tools and Test Equipment:

See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/GSM-64B		X
AN/USM-281C		X
TK-100/G		X
TK-101/G	X	
TS-3941/APN-209(V)		X
794 FM		X
8491B-50		X

NOTE

The AN/APN-209( )(V) is warranted by the manufacturer under a long term Reliability Improvement Warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

SB 11-642

TM 11-5841-284-23 & P(Pertains to AN/APN-209(V)

TM 11-5841-292-13 & P(Pertains to AN/APN-209A(V)1, AN/APN-209A(V)2 AN/APN-209A(V)3, AN/APN-209B(V)1, AN/APN-209B(V)2, AN/APN-209B(V)3

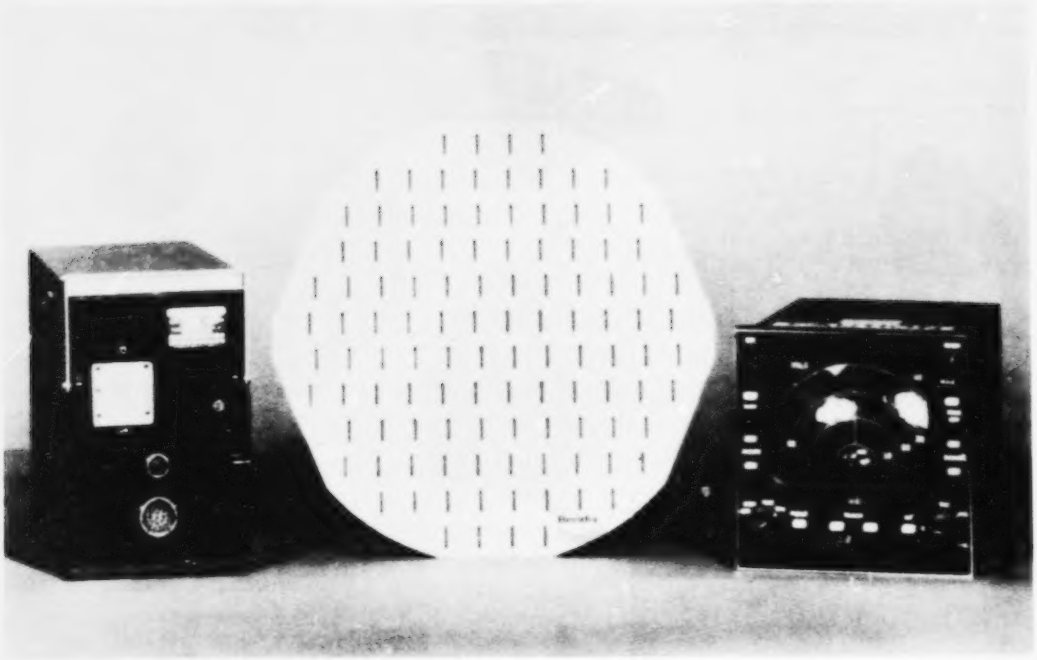


Figure 25. AN/APN-215(V)1 Weather Radar Set

1. **Brief Description:** The AN/APN-215 provides continuous en route weather information relative to cloud formation, rainfall rate, thunderstorms and icing conditions. In addition, the system can be used for ground mapping, day or night, even under adverse weather conditions. Maximum range of the system is 240 nautical miles. Major components are:

AS-3451/APN-214(V)	Antenna
IP-1376/APN-215(V)	Indicator
MT-5203/APS-505	Mount
RT-1352/APN-215(V)	Receiver-Transmitter

2. **Applicable Tools and Test Equipment:** See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/USM-223		X
AN/USM-281C		X
ME-441/U		X
MK-2061/APN-215(V)		X
SG-944/U		X
TK-101/G	X	
TK-100/G		X
TS-488A/UP		X

NOTE

The AN/APN-215(V)1 and all of its components are warranted by the manufacturer under a long term Reliability Improvement Warranty. During the warranty period, no repair is authorized at any echelon of maintenance, and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. **Applicable Publications:**

SB 11-644
TM 11-5841-289-13
TM 11-5841-289-20P

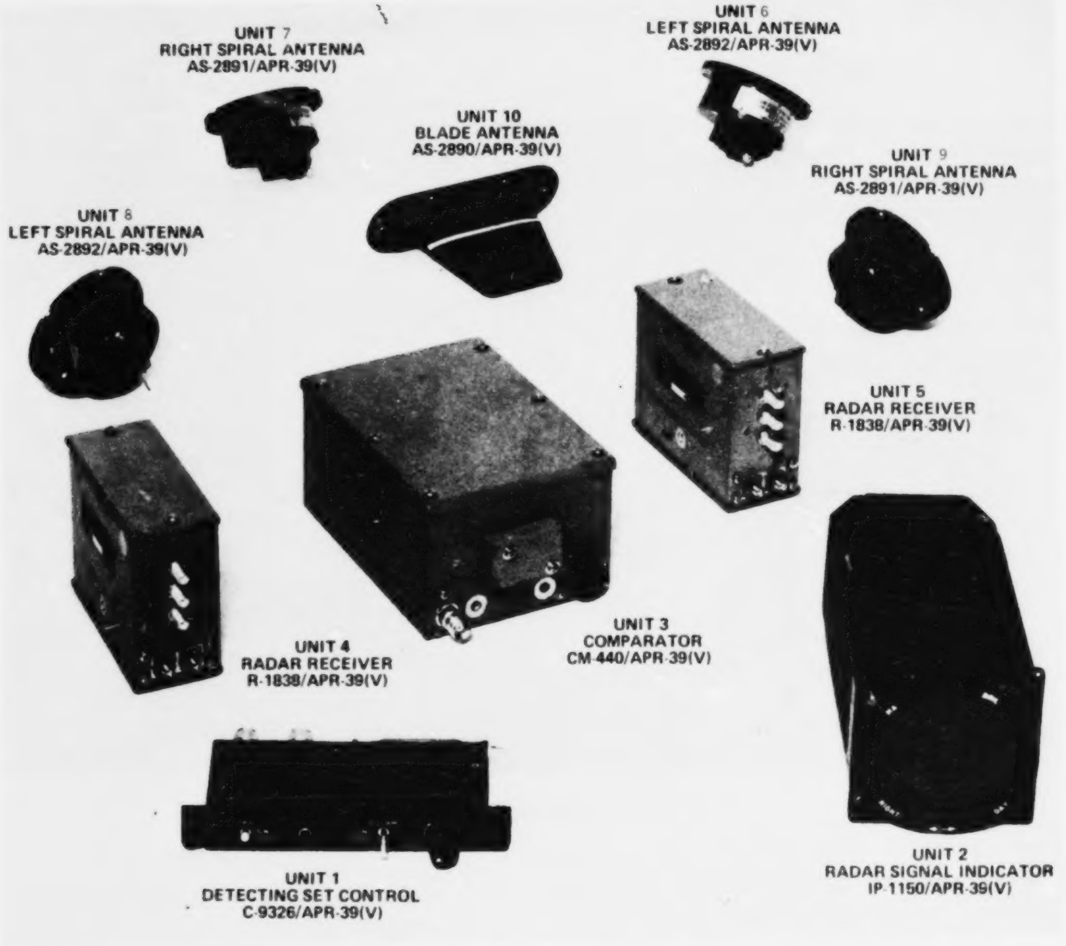

UNIT 7
RIGHT SPIRAL ANTENNA
AS-2891/APR-39(V)
UNIT 6
LEFT SPIRAL ANTENNA
AS-2892/APR-39(V)
UNIT 10
BLADE ANTENNA
AS-2890/APR-39(V)
UNIT 9
RIGHT SPIRAL ANTENNA
AS-2891/APR-39(V)
UNIT 8
LEFT SPIRAL ANTENNA
AS-2892/APR-39(V)
UNIT 5
RADAR RECEIVER
R-1838/APR-39(V)
UNIT 4
RADAR RECEIVER
R-1838/APR-39(V)
UNIT 3
COMPARATOR
CM-440/APR-39(V)
UNIT 1
DETECTING SET CONTROL
C-9326/APR-39(V)
UNIT 2
RADAR SIGNAL INDICATOR
IP-1150/APR-39(V)

Figure 26. AN/APR-39(V)1 Radar Signal Detecting Set

1. Brief Description: Radar Signal Detecting Set AN/APR-39(V) is a passive omnidirectional radar receiver. The equipment receives and displays to the aircraft pilot, or other observer, information concerning the radar environment surrounding the aircraft. The equipment responds to those radars usually associated with hostile fire-control tracking radars by providing visual and aural indications of the presence of and the direction to emitters. Non-threat radars are generally excluded. The radar receiver also accepts missile guidance radar signals. Visual and aural displays are uniquely identified to warn the observer an emitter has become a potential threat. Input power requirement for the AN/APR-39(V) is 28 volts DC at 1.1 amps. There are two configurations of the AN/APR-39(V) as follows:

AN/APR-39(V)1 consists of:

AS-2890/APR-39(V)	Blade Antenna
AS-2891/APR-39(V)	Right Spiral Antenna (2 each)
AS-2892/APR-39(V)	Left Spiral Antenna (2 each)
C-9326/APR-39(V)	Control
CM-440/APR-39(V)	Comparator
IP-1150/APR-39(V)	Indicator
R-1838/APR-39(V)	Receiver (2 each)

AN/APR-39(V)2 consists of:

AS-2890/APR-39(V)	Blade Antenna
AS-2891/APR-39(V)	Right Spiral Antenna (2 each)
AS-2892/APR-39(V)	Left Spiral Antenna (2 each)
C-10412/APR-39(V)	Control
CM-480/APR-39(V)	Digital Processor
IP-1150/APR-39(V)	Indicator
R-1838/APR-39(V)	Receiver (2 each)

2. Applicable Tools and Test Equipment:

See appendix B for nonmenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
*AN/APM–415		X
AN/APR–39(V)1		X
AN/USM–213		X
AN/USM–223	X	X
AN/USM–260		X
AN/USM–281C		X
MX–Z9848/APR–39(V)		X
SG–944		X
SG–1105/U (2 each)		X
SM–674/UPM	X	X
TK–101/G	X	
TK–105/G		X
T 8438	X	X
8403A		X
8491B10		X
8731B		X
8734B		X

* Applicable to AN/APR–39(V)2 only.

3. Applicable Publications:

TM 11–5841–283–12
TM 11–5841–283–24P
TM 11–5841–283–34

(Illustration not available)

Figure 26.1. AN/APR–39A(V)1 Radar Signal Detecting Set

1. Brief Description: The AN/APR–39A(V)1 Radar Warning Receiver is a special version of the AN/APR–39(V)1 which utilizes a digital processor and alphanumeric display and synthetic voice warning to provide warning of radar directed air defense threat systems. The AN/APR–39A(V)1 was designed to be compatible with aircraft provision of the AN/APR–39(V)1 Radar Detecting Set. The existing AN/APR–39(V)1 indicator is retained whereas all other Line Replaceable Units (LRU) are new. The radar threat capability is much greater than the (V)1; however, the threat display is changed to alphanumeric as opposed to the strobe in the (V)1 system. Sythetic voice warning and display symbols occur simultaneously.

2. Applicable Tools and Test Equipment:

Type No.	*O (AVUM)*	*F/H (AVIM)*
MX–9848/APR–39(V)		X
SM–674/UPM	X	X

NOTE

Other tool and test equipment requirements were not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

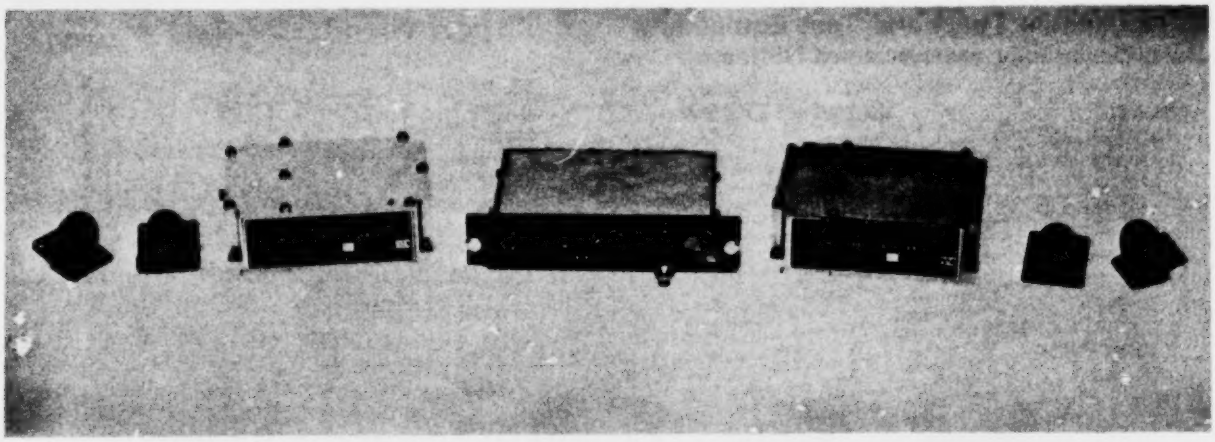


Figure 27. AN/APR-44(V)3 Radar Warning System

1. Brief Description:

The AN/APR-44(V)( ) is used to detect CW radar guidance systems aimed at aircraft. Detection is indicated by a lighted lamp and a tone heard on the headset. A logic signal is also produced for external use as required. The AN/APR-44(V)1 system will detect CW guidance signals associated with surface-to-air (SAM) missiles while the AN/APR-44(V)3 system will detect both SAM and airborne intercept (AI) guidance signals. Major components of the two systems are:

AN/APR-44(V)1 consists of:

AS-3266/APR-44(V)	Antenna (2 each)
C-10387/APR-44(V)	Control
F-1503/APR-44(V)	Low Pass Filter
R-2097/APR-44(V)	Receiver

AN/APR-44(V)3 consists of:

AS-3266/APR-44(V)	Antenna (4 each)
C-10387/APR-44(V)	Control
F-1503/APR-44(V)	Low Pass Filter
R-2097/APR-44(V)	Receiver
R-2098/APR-44(V)	Receiver

2. Applicable Tools and Test Equipment:

See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/USM-223	X	
SM-756/APR-44(V)	X	
TK-101/G	X	
T8438	X	

3. Applicable Publications:

TM 11-5841-291-12
TM 11-5841-291-20P

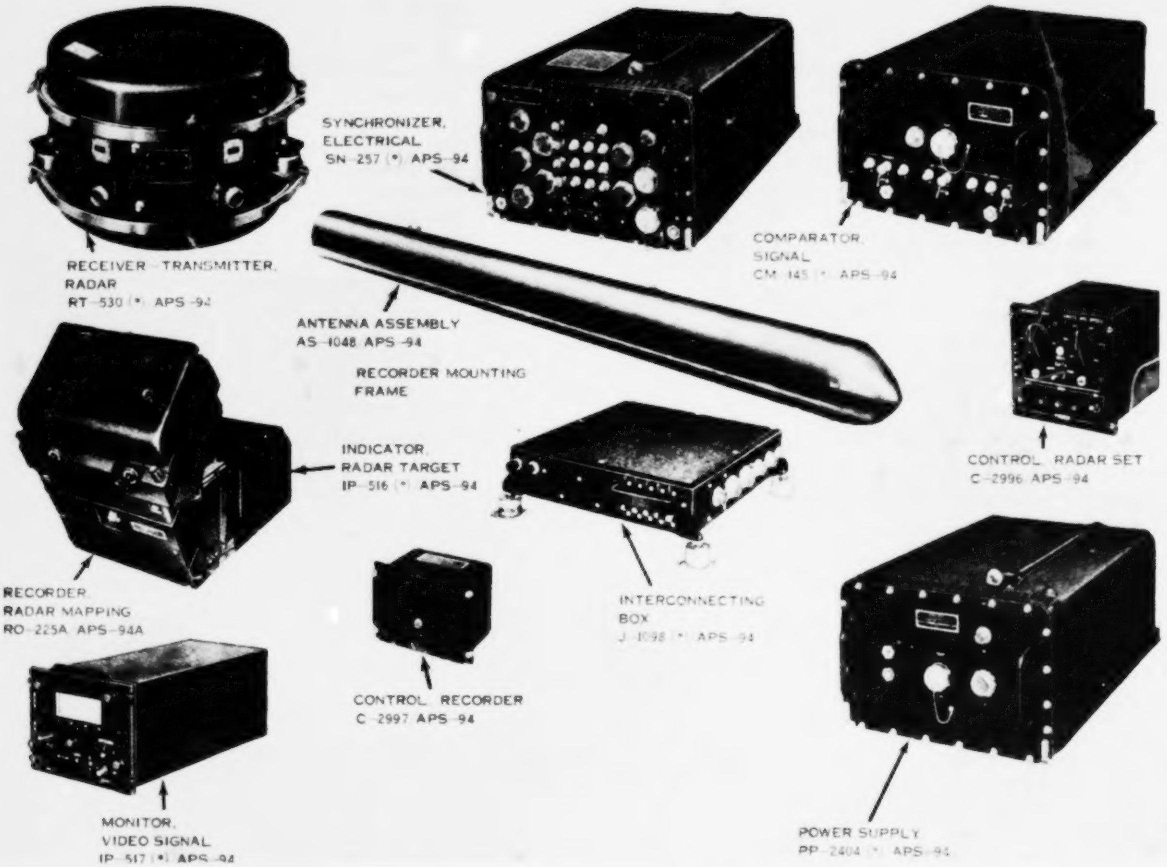

SYNCHRONIZER,
ELECTRICAL
SN-257 (*) APS-94
RECEIVER—TRANSMITTER,
RADAR
RT-530 (*) APS-94
ANTENNA ASSEMBLY
AS-1048 APS-94
COMPARATOR,
SIGNAL
CM-145 (*) APS-94
RECORDER MOUNTING
FRAME
INDICATOR,
RADAR TARGET
IP-516 (*) APS-94
CONTROL, RADAR SET
C-2996 APS-94
RECORDER,
RADAR MAPPING
RO-225A APS-94A
INTERCONNECTING
BOX
J-1098 (*) APS-94
CONTROL, RECORDER
C-2997 APS-94
MONITOR,
VIDEO SIGNAL
IP-517 (*) APS-94
POWER SUPPLY
PP-2404 (*) APS-94

Figure 28. AN/APS-94C Radar Surveillance Set

1. Brief Description: Radar Surveillance Set AN/APS-94C is a side-looking airborne radar (SLAR) set. The set provides permanent aerial photoradar maps of terrestrial (ground) targets on either or both sides of the flightpath of the aircraft. The aerial photoradar maps provide information on fixed and moving targets within the maximum range of 90 kilometers. The input power requirement is 27.5 volts DC at approximately 135 amps. Major components of the AN/APS-94C are as follows:

AS-1048/APS-94	Antenna Assembly
C-2996/APS-94	Radar Set Control
C-2997/APS-94	Recorder Control
CM-145( )/APS-94	Signal Comparator
IP-516( )/APS-94	Radar Target Indicator
IP-517( )/APS-94	Video Signal Monitor
J-1098C/APS-94	Interconnection Box
PP-2404( )/APS-94	Power Supply
RO-166( )/UP	Radar Mapping Recorder
RT-530/APS-94	Radar Receiver Transmitter
SN-257A/APS-94	Electrical Synchronizer

The following components are used with but not issued as part of the AN/APS-94C:

AN/ASN-64	Doppler Navigation Set
CV-2094/A	Signal Data Converter-Storer
MX-4668/APS-94	Film Photographic Loader

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GPM-423	X	X	X
AN/GPM-46A	X	X	X
AN/GPM-52	X	X	X
AN/PRM-10		X	X
AN/UPM-15			X
AN/UPM-33A			X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-37E			X
AN/USM-44B		X	X

Type No.	*O*	*F*	*H*
AN/USM-161			X
AN/USM-198A			X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
CM-77A/USM			X
CN-713/U			X
CN-801/U			X
CN-802/U			X
CN-970/U		X	X
CU-988/U			X
ID-1142/APS-94		X	X
ME-26D/U		X	X
ME-30A/U		X	X
ME-202B/U			X
MK-652/APS-94		X	X
MK-772/U		X	X
MX-2517/U			X
MX-2569/U			X
MX-3667/U			X
MX-3671/U			X
PP-962/U			X
SG-299B/U			X
SG-321B/U			X
SG-366A/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-147F/UP			X
TS-452D/U			X
TS-1836B/U		X	X
TV-7D/U		X	X
UG-1053/U			X
Stopwatch		X	X

3. Applicable Publications:

TM 11-5895-284-12
TM 11-5895-284-35/1
TM 11-5895-284-35/2
TM 11-5895-284-35/3
TM 11-5895-284-35/4

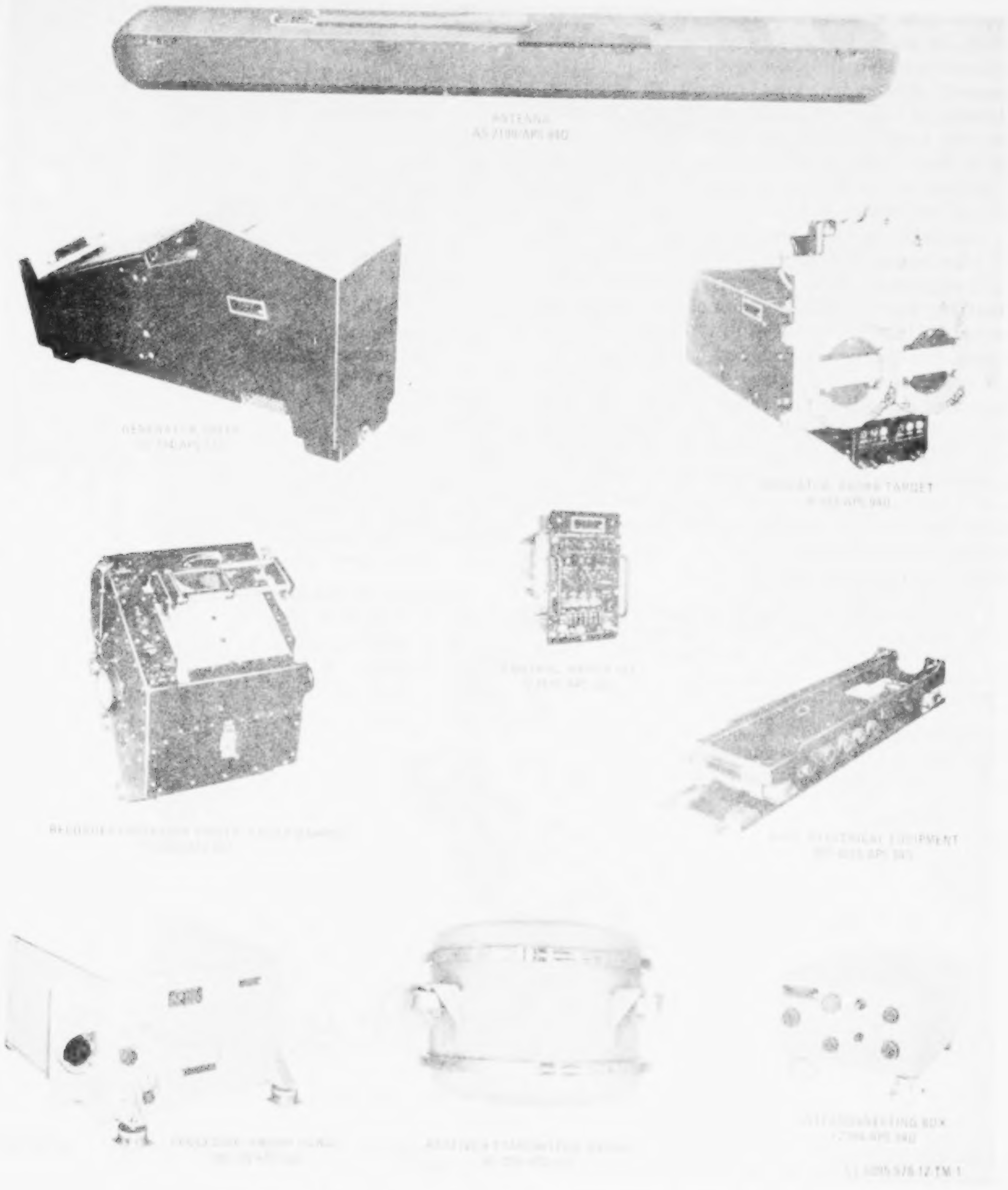

ANTENNA
AS-2100/APS-94D
SIMULATOR, RADAR TARGET
CONTROL, RADAR SET
ELECTRICAL EQUIPMENT
RECEIVER-TRANSMITTER GROUP
CONNECTING BOX

Figure 29. AN/APS-94D Radar Surveillance Set

1. Brief Description: Radar Surveillance Set AN/APS-94D, normally installed in the OV-1D aircraft, is an airborne sidelooking radar which searches large land and coastal areas and produces permanent photoradar maps of terrain on either or both sides of the aircraft flightpath. Two separate maps are produced simultaneously on the same strip of film. Fixed terrain imagery is recorded on the left half of the film while both moving objects and fixed terrain are superimposed on the right half. The film drive is controlled by ground speed and drift information which is obtained automatically from the inertial navigation system or set manually. Identifying data from the data annotation system is recorded on the film to aid in interpretation of the imagery. Provisions are included in the system to allow the observer realtime viewing of the radar information on a monitor scope or near realtime viewing of the processed film on a back lighted viewer. When used in conjunction with a data link, the radar information is transmitted to a ground based receiving system which has the capability to convert the received signals back to film for near realtime viewing and analysis.

Major components of the AN/APS-94D are:

AS-2199/APS-94D	Antenna
C-7645/APS-94D	Radar Set Control
CM-374/APS-94D	Radar Signal Processor
IP-923/APS-94D	Radar Target Indicator
J-2794/APS-94D	Interconnecting Box
MT-4015/APS-94D	Electrical Equipment Rack
RO-352/APS-94D	Recorder-Processor Viewer
RT-899/APS-94D	Receiver-Transmitter
SG-794/APS-94D	Sweep Generator

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GPM-61	X	X	X
AN/GSM-64B		X	X
AN/UPM-84A		X	X
AN/URM-105C	X		
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
OQ-59/APS-94D		X	X
OQ-63/APS-94D			X
OQ-64(V)1/APS-94D		X	X
OQ-65/APS-94D			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-2967/APS-94D			X
TS-2973/APS-94D		X	X
ESHMEE		X	X
TEP-6		X	X
22			X
10100A		X	X
10100B		X	X
10692			X
Adapter, Socket Wrench	X	X	X
Stopwatch, Chronometer		X	X
Wrench, Torque	X	X	X
Wrench Set, Socket	X	X	X

3. Applicable Publications:

TM 11-5895-578-12
TM 11-5895-578-20P
TM 11-5895-578-34
TM 11-5895-578-34P
TM 11-5895-578-50

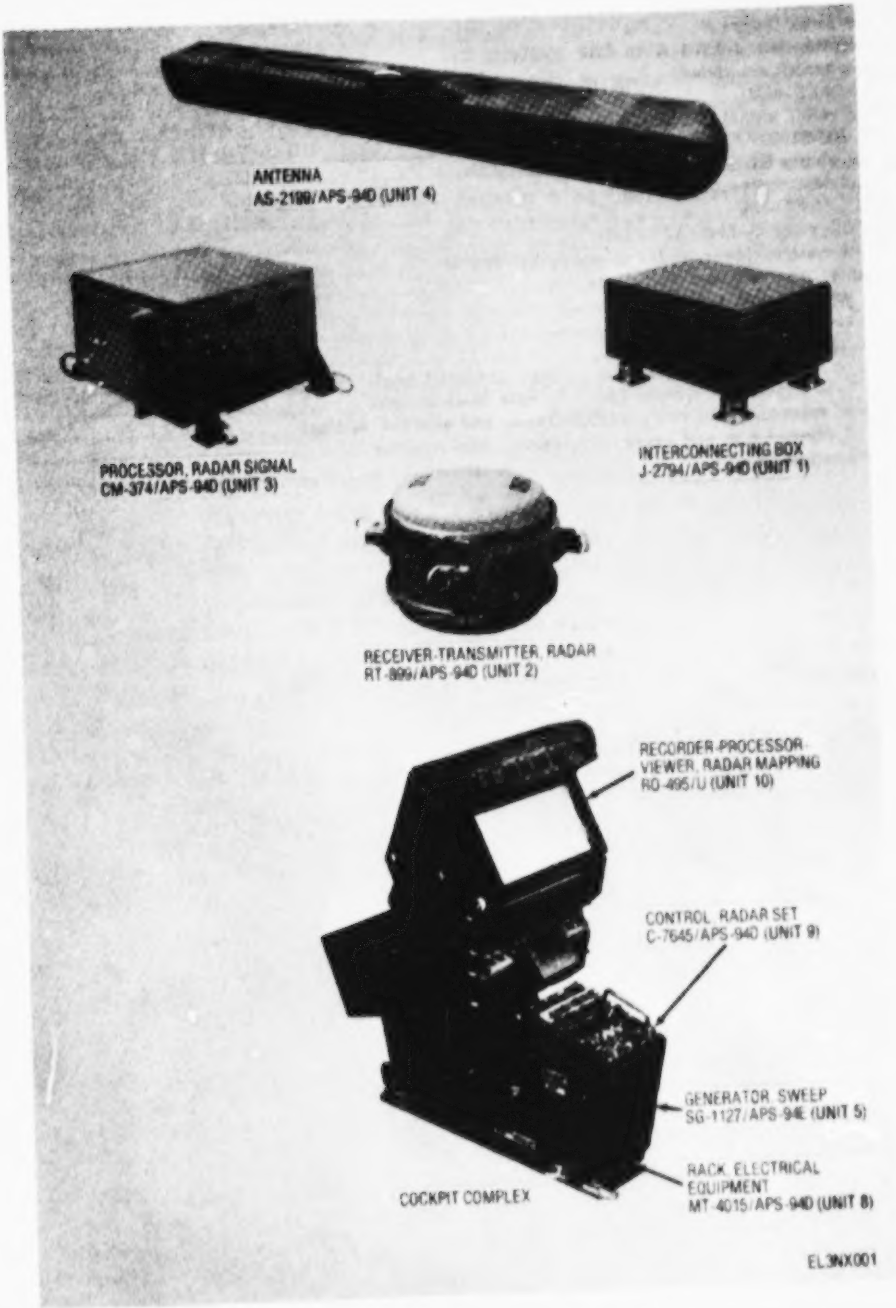

ANTENNA
AS-2199/APS-94D (UNIT 4)
PROCESSOR, RADAR SIGNAL
CM-374/APS-94D (UNIT 3)
INTERCONNECTING BOX
J-2794/APS-94D (UNIT 1)
RECEIVER-TRANSMITTER, RADAR
RT-899/APS-94D (UNIT 2)
RECORDER-PROCESSOR VIEWER, RADAR MAPPING
RO-495/U (UNIT 10)
CONTROL, RADAR SET
C-7645/APS-94D (UNIT 9)
GENERATOR, SWEEP
SG-1127/APS-94E (UNIT 5)
RACK, ELECTRICAL EQUIPMENT
MT-4015/APS-94D (UNIT 8)
COCKPIT COMPLEX
EL3NX001

Figure 30. AN/APS-94E Radar Surveillance Set

1. **Brief Description:** Radar Surveillance Set AN/APS-94E, normally installed in the OV-1D aircraft, is an airborne sidelooking radar which searches large land and coastal areas and produces perrmanent photoradar maps of terrain on either or both sides of the aircraft flightpath. Two separate maps are produced simultaneously on the same strip of film. Fixed terrain imagery is recorded on the left half of the film while both moving objects and fixed terrain are superimposed on the right half. The film drive is controlled by ground speed and drift information which is obtained automatically from the inertial navigation system or set manually. Identifying data from the data annotation system is

recorded on the film to aid in interpretation of the imagery. Provisions are included in the system to allow the observer realtime viewing of the radar information on a monitor scope or near realtime viewing of the processed film on a back lighted viewer. When used in conjunction with a data link, the radar information is transmitted to a ground based receiving system which has the capability to convert the received signals back to film for near realtime viewing and analysis.

Major components of the AN/APS-94E are:

AS-2199/APS-94D	Antenna
C-7645/APS-94D	Radar Set Control
CM-374/APS-94D	Radar Signal Processor
J-2794/APS-94D	Interconnecting Box
MT-4015/APS-94D	Equipment Rack
RO-495/U	Recorder-Processor-Viewer
RT-899/APS-94D	Receiver-Transmitter
SG-1127/APS-94E	Sweep Generator

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64B		X	X
AN/UPM-84A		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281C		X	X
OQ-59/APS-94D		X	X
OQ-63A/APS-94D		X	X
OQ-64(V)1/APS-94D		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-2973/APS-94D		X	X
22		X	X
10100A		X	X
10100B		X	X
10692		X	X
Adapter, Socket Wrench		X	X
Stopwatch, Chronometer		X	X
Wrench, Torque		X	X
Wrench Set, Socket		X	X

3. Applicable Publications:

TM 11-5895-967-12
TM 11-5841-967-12HR
TM 11-5841-967-30P
TM 11-5841-967-34
TM 11-5841-285-23 (Pertains to RO-495/U)
TM 11-5841-285-30P (Pertains to RO-495/U)

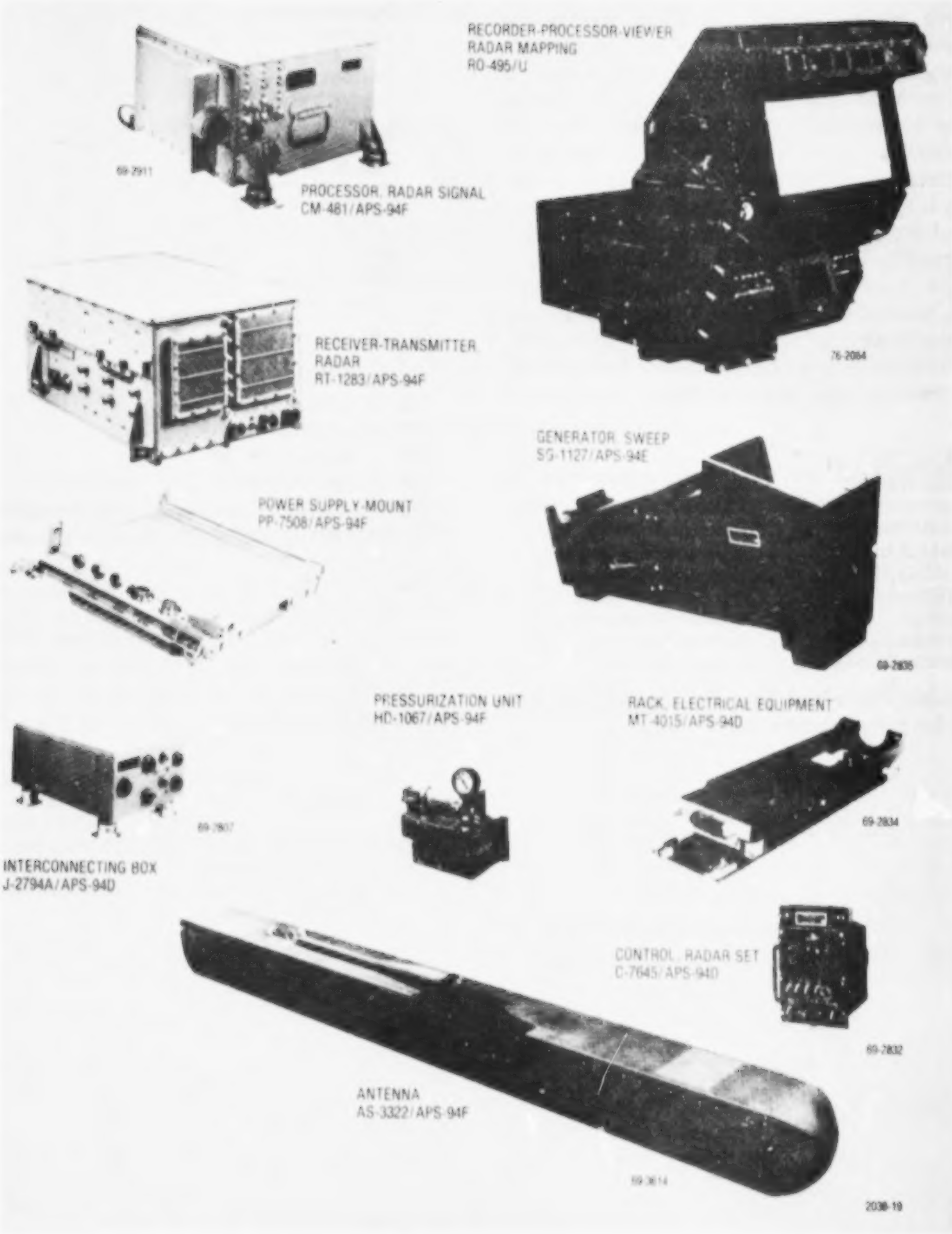

RECORDER-PROCESSOR-VIEWER
RADAR MAPPING
RO-495/U
76-2084
69-2911
PROCESSOR, RADAR SIGNAL
CM-481/APS-94F
RECEIVER-TRANSMITTER
RADAR
RT-1283/APS-94F
GENERATOR, SWEEP
SG-1127/APS-94E
POWER SUPPLY-MOUNT
PP-7508/APS-94F
69-2835
PRESSURIZATION UNIT
HD-1067/APS-94F
RACK, ELECTRICAL EQUIPMENT
MT-4015/APS-94D
69-2807
69-2834
INTERCONNECTING BOX
J-2794A/APS-94D
CONTROL, RADAR SET
C-7645/APS-94D
69-2832
ANTENNA
AS-3322/APS-94F
69-3614
2038-19

Figure 31. AN/APS-94F Radar Surveillance Set

1. Brief Description: The AN/APS-94F is an airborne sidelooking radar which searches large land and coastal areas and produces permanent photoradar maps of terrain on either or both sides of the aircraft flightpath. Two separate maps are produced simultaneously on the same strip of film. Fixed terrain imagery is recorded on the left half of the film while both moving objects and fixed terrain are superimposed on the right half. The film drive is controlled by ground speed and drift information which is obtained automatically from the inertial navigation system or set manually. Identifying data from the data annotation system is recorded on the film to aid in interpretation of the imagery. Provisions are included in the system to allow the observer realtime viewing of the radar information on a monitor scope or near realtime viewing of the processed film on a back lighted viewer. When used in conjunction with a data link, the radar information is transmitted to a ground based receiving system which has the capability to convert the received signals back to film for near realtime viewing and analysis. Major components are:

AS-3322/APS-94F	Antenna
C-7645/APS-94D	Radar Set Control
CM-481/APS-94F	Signal Processor
HD-1067/APS-94F	Pressurization Set
J-2794A/APS-94D	Interconnecting Box
MT-4015/APS-94D	Equipment Rack
PP-7508/APS-94F	Power Supply-Mount
RO-495/U	Recorder-Processor-Viewer
RT-1283/APS-94F	Receiver-Transmitter
SG-1127/APS-94E	Sweep Generator

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/GSM-64B		X
AN/USM-207A		X
AN/USM-451		X
AN/USM-281C		X
ME-441/U		X
OQ-59A/APS-94D		X
OQ-63A/APS-94D		X
OQ-270/APS-94F		X
SG-944/U (2 each)		X
TK-100/G		X
TK-101/G	X	
TK-105/G		X
TS-2973A/APS-94D		X
PRD-559A		X
22		X
10100A		X
10100B		X
10692		X
Wrench, Torque		X
Wrench Set, Socket		X

3. Applicable Publications:

TM 11-5895-1078-10
TM 11-5895-1078-20
TM 11-5895-1078-23P
TM 11-5895-1078-30
TM 11-5895-1078-30-1
TM 11-5841-285-23 (Pertains to RO-495/U)
TM 11-5841-285-30P (Pertains to RO-495/U)

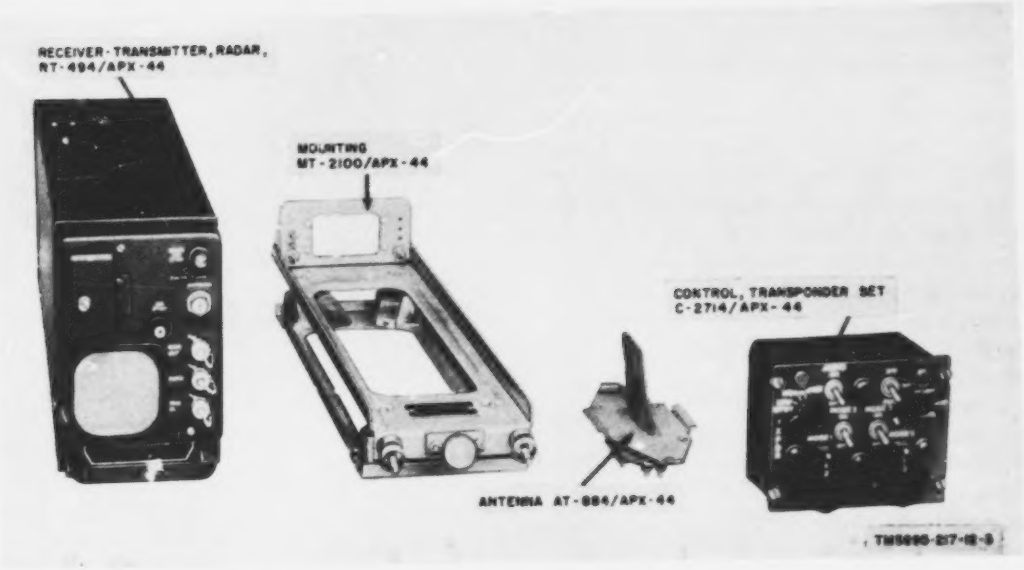

RECEIVER-TRANSMITTER, RADAR,
RT-494/APX-44
MOUNTING
MT-2100/APX-44
CONTROL, TRANSPONDER SET
C-2714/APX-44
ANTENNA AT-884/APX-44
TM5895-217-12-5

Figure 32. AN/APX-44( ) Transponder Set

1. Brief Description: The AN/APX-44( ) is an airborne transponder which operates in conjunction with ground IFF interrogation equipment. The transponder, upon receiving an interrogation signal from the ground station automatically transmits a coded reply. An emergency mode of operation is also available to the pilot. The AN/APX-44( ) receives on a frequency of 1030 MHz and transmits on 1090 MHz. Power requirement is 28 volts DC @ 7.2 amps. The AN/APX-44( ) consists of the following components:

AT-884/APX-44	Antenna
C-2714/APX-44	Transponder Control
MT-2100-APX-44	Mount
MT-2100B/APX-44	Mount (AN/APX-44B only)
RT-494/APX-44	Receiver-Transmitter
RT-494B/APX-44B	Receiver-Transmitter (AN/APX-44B only)

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
(*) AN/APM-123A	X	X	X
AN/UPM-15A			X
AN/UPM-98B			X
AN/URM•64A			X
AN/URM-105C	X		
AN/USM-223		X	X
AN/USM-281A		X	X
ME-26D/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-268E/U			X
TS-452D/U			X
TS-1314/APX-44		X	X
TS-1836B/U			X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5895-217-12
TM 11-5895-217-35

(*) Planned for replacement by the AN/APM-378.

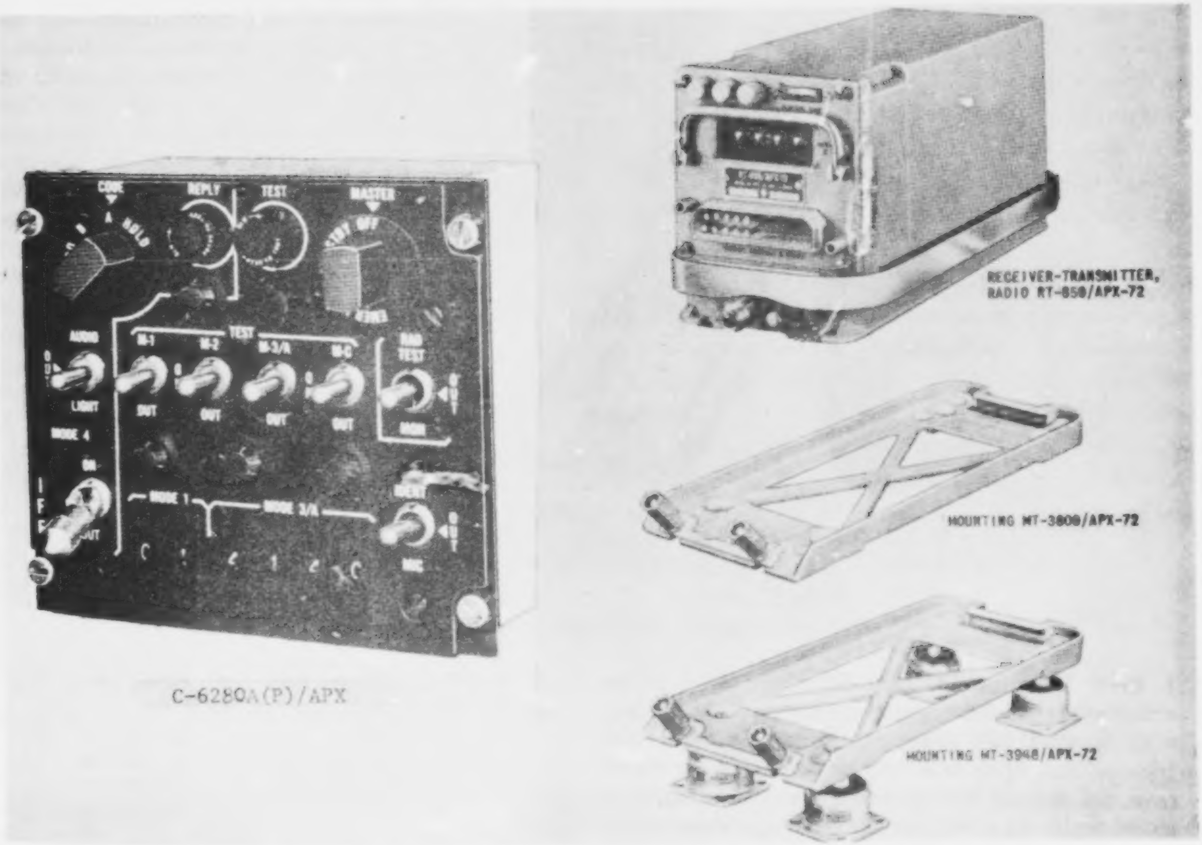


Figure 33. AN/APX-72 Transponder Set

1. Brief Description: The AN/APX-72 is an airborne transponder which operates in conjunction with ground IFF equipment. The transponder, upon receiving an interrogation signal from the ground station automatically transmits a coded reply. Five independent coding modes are available to the pilot. Mode 1, 2, and 3A provide various code combinations, which are selectable in flight on Modes 1 and 3A. In Mode C, pressure altitude is obtained from the encoding altimeter and provided through the transponder to the ground interrogator. Mode 4, which uses an external computer, can be selected to display any one of many classified codes for security identifications. An emergency mode of operation is also available to the pilot. The emergency reply indicates to the ground interrogator that the aircraft is in distress. The AN/APX-Z72 transmits on a frequency of 1090 MHz while receiving on 1030 MHz. The input power requirements is 28 volts DC at 2 amps or 115 volts AC, 400 Hz at 95 watts. The RT-859W/APX-72 is a product improved version of the RT-859/APZ-72. Major components of the AN/APX-72 are as follows:

C-6280A(P)/APX	Transponder Control
MT-3809/APX-72	Mount
RT-859/APX-72	Receiver-Transmitter
or	
RT-859A/APX-72	Receiver-Transmitter

The following components are used with but are not a part of the AN/APX-72:

AAU-32/A	AIMS Altimeter
AT-741/A	Antenna
or	
AT-884( )/APX	Antenna
KIT-1A/TSEC	Computer
MT-3513/APX	Mount (TS-1843/APX)
MT-3949/U	Mount (KIT-1A/TSEC)
TS-18432/SAPXC	Transponder Test Set

2. Applicable Tools and Test Equipment:

See Appendix B for nonmenclature, NSN, etc.

Type No.	*O*	*F*	*H*
(*)AN/APM–123A	X		
(***)AN/APM–239A		X	X
(**)AN/APM–245		X	X
(**)AN/UPM–98A		X	X
(**)AN/URM–64A		X	X
AN/URM–105C	X		
(**)AN/USM–203C		X	X
AN/USM–207A			X
AN/USM–223		X	X
AN/USM–281C		X	X
CM–77A/USM			X
ME–26D/U		X	X
ME–202( )/U			X
MK–772/U			X
TK–100/G		X	X
TK–101/G	X		
TK–105/G		X	X
TS–268E/U			X
TS–1836D/U			X
UG–564/U	X	X	X

(*) To be replaced by AN/APM–378 or AN/APM–424.

(**) To be replaced by AN/APM–305A.

(***) To be replaced by AN/APM–421.

3. Applicable Publications:

TM 11–58411–268–23P (Pertains to C–6280A(P)/APX)

TM 11–5841–268–25 (Pertains to C–6280A(P)/APX)

TM 11–5895–490–20

TM 11–5895–490–20P

TM 1–5895–490–34P

TM 11–5895–490–34–1 (Pertains to AN/APM–305A

TM 11–5895–490–35

Brief description: AN/APX–100 pertains to a family of transponders. For specific details refer to data sheet for RT–1157( )/APX–100(V), RT–1285( )/APX–100(V) and RT–1296( )/APX–100(V) and RT–141–71( )/APX–100(V).

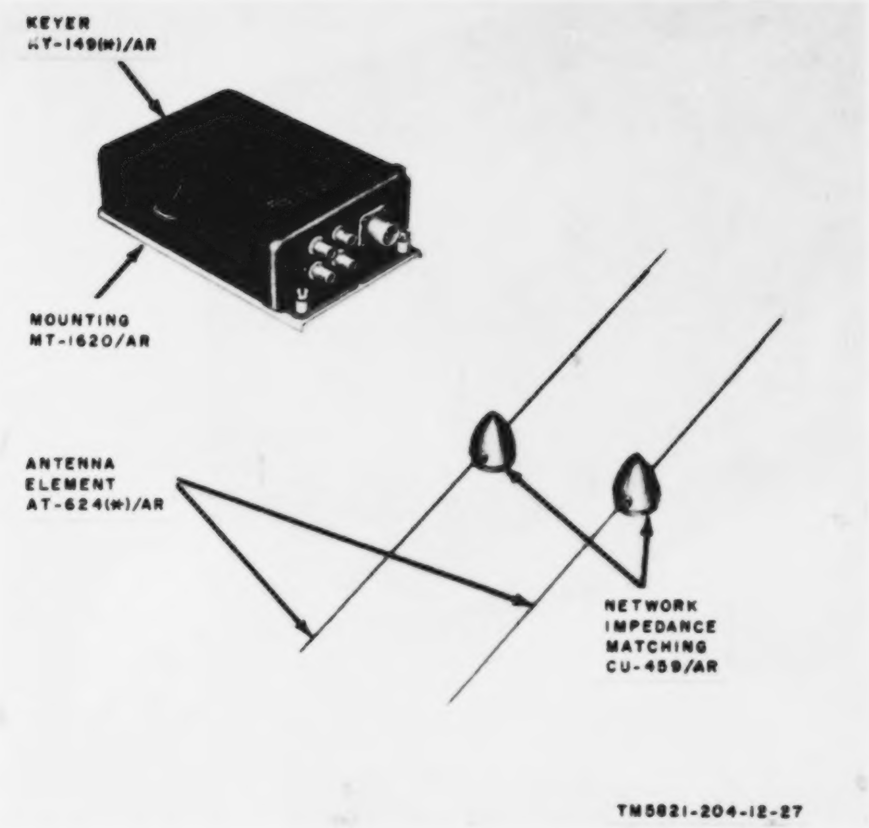

KEYER
KY-149(*)/AR
MOUNTING
MT-1620/AR
ANTENNA
ELEMENT
AT-624(*)/AR
NETWORK
IMPEDANCE
MATCHING
CU-459/AR
TM5821-204-12-27

Figure 34. AN/ARA-31 Antenna Group

1. Brief Description: The AN/ARA-31 in conjunction with the SA-474/AR or SA-474A/AR switch assembly or any other suitable ON-OFF switch extends the operational use of Radio Set AN/ARC-44 to a homing receiver enabling the aircraft pilot to "home" on any transmission operating within the frequency range of 24.0 to 49.0 magacycles. Input power requirement is 27.5 volts DC at 0.5 amps. Major components of the set are as follows:

AT-624( )/AR	Antenna Element (4 ea)
CU-459/AR	Impedance Matching Network (2 ea)
KY-149( )/AR	Keying Unit
MT-1620/AR	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-103			X
AN/URM-105	X		
AN/USM-223		X	X
ME-26B/U			X
TK-100&G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-5985-200-12
TM 11-5985-200-20P
TM 11-5985-200-35
TM 11-5985-200-35P

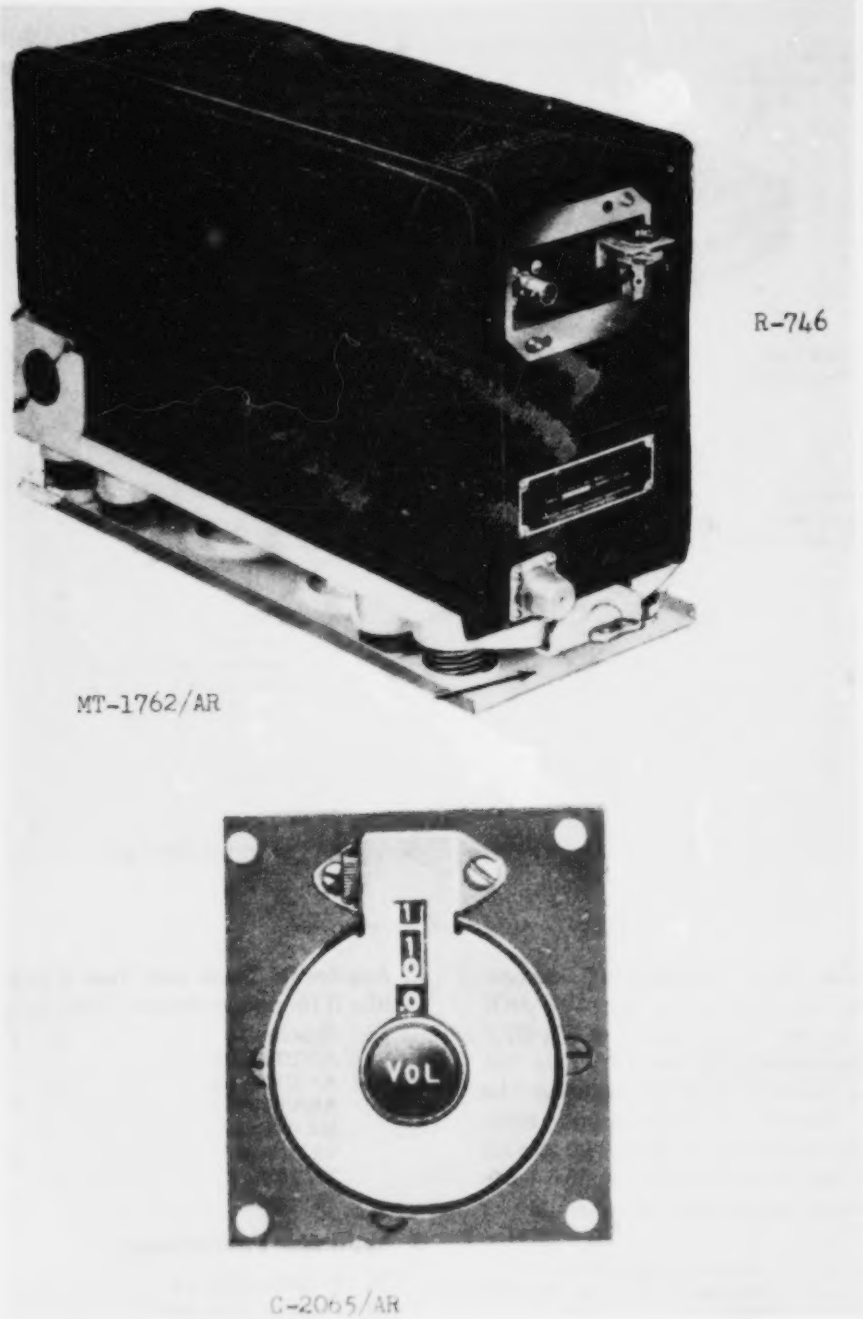


Figure 35. AN/ARA-54 Receiver Group

1. Brief Description: The AN/ARA-54 is a glide slope system whose main component is a lightweight superheterodyne receiver. The receiver is designed to receive glide slope information to produce vertical guidance during aircraft landing operations when used in conjunction with the ID-48 or its equivalent. The receiver is capable of receiving any one of 20 carrier frequencies with 300 kHz separation between 329.3 and 335.0 MHz. The input power requirements are 115 volts AC, 320 to 1000 Hz at 125 amperes and 26.5 volts DC, at 1.1 amperes. Major components of the AN/ARA-54 are:

C-2065/AR	Control
MT-1762( )/AR	Mount
R-746( )/AR	Radio Receiver

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
* AN/ARM-63		X	X
* AN/ARM-69			X
AN/URM-105C	X		
AN/USM-44B		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
ME-30A/U		X	X
** SG-13/ARN		X	
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5826-200-12
TM 11-5826-200-25P
TM 11-5826-200-35

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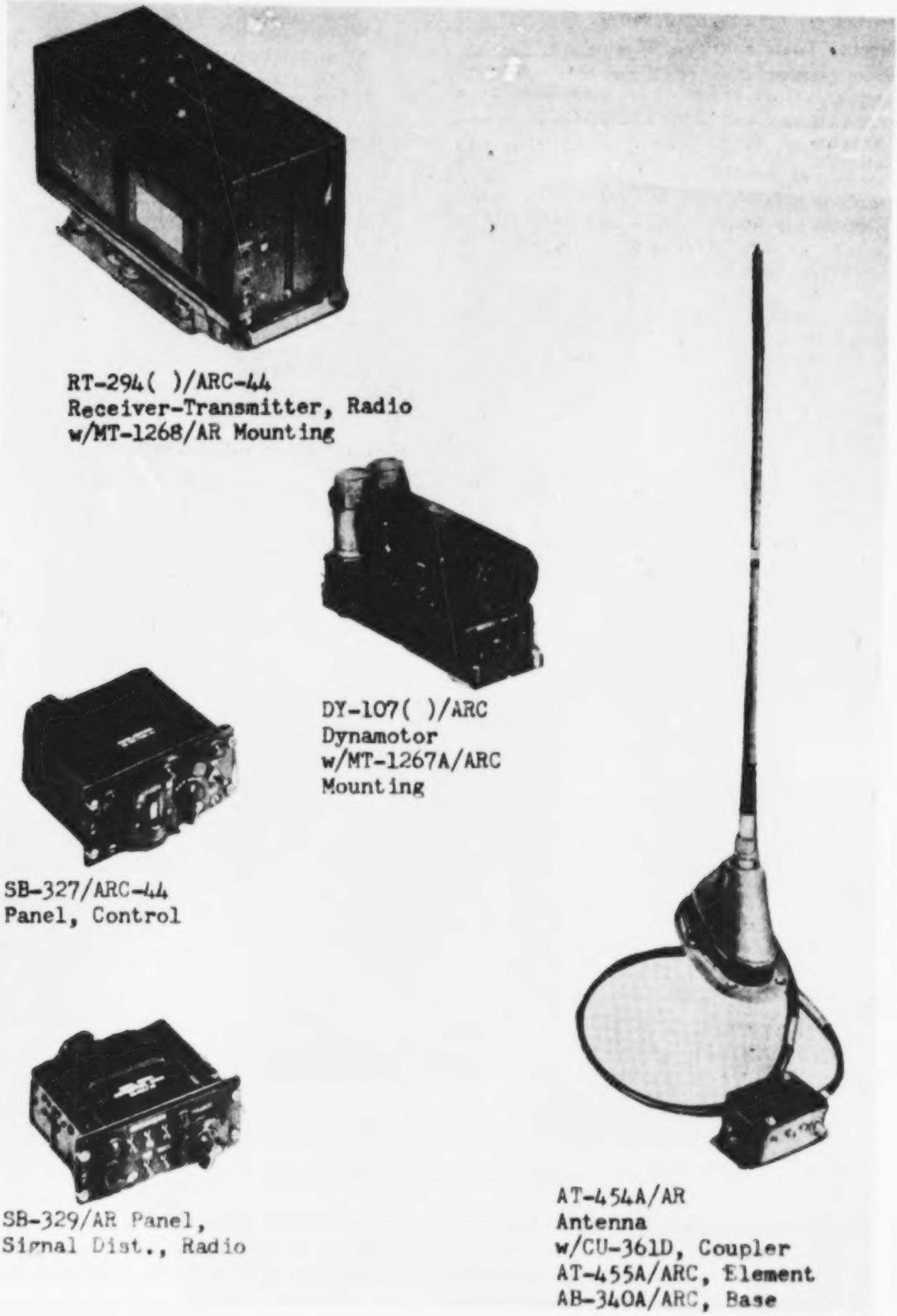
* Planned for replacement by the AN/ARM-180
** Planned for replacement by the AN/ARM-186



RT-294( )/ARC-44
Receiver-Transmitter, Radio
w/MT-1268/AR Mounting

DY-107( )/ARC
Dynamotor
w/MT-1267A/ARC
Mounting

SB-327/ARC-44
Panel, Control

SB-329/AR Panel,
Signal Dist., Radio

AT-454A/AR
Antenna
w/CU-361D, Coupler
AT-455A/ARC, Element
AB-340A/ARC, Base

Figure 36. AN/ARC-44 Radio Set

1. **Brief Description:** Radio Set AN/ARC-44 provides two-way FM communications over the frequency range of 24.0 to 51.9 MHz on any one of 280 preset channels spaced 100 kHz apart. Nominal power output is 6 watts for the RT-294/ARC-44; 8 watts for the RT-294A/ARC-44 and RT-294B/ARC-44. When used in conjunction with the AN/ARA-31 antenna group the AN/ARC-44 may be used for homing purposes. The input requirement is 6.6 amps at 27.5 volts DC. Major components of the AN/ARC-44 are as follows:

AT-454/ARC-44	Antenna
Consisting of	
AB-340A/ARC-44	Base, Antenna
AT-455A/ARC	Whip, Antenna
CU-361D/ARC	Coupler, Antenna
DY-107B/AR	Dynamotor
MT-1267A/AR	Mount (Dynamotor)
MT-1268/AR	Mount (Receiver-Transmitter)
RT-294B/ARC-44	Receiver-Transmitter
SB-327/ARC-44	Control Panel
SB-329/AR	Radio Signal Distribution Panel (2 ea)

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-8		X	X
AN/ARM-68		X	X
AN/PRM-10			X
AN/URM-79			X
AN/URM-80			X
AN/URM-103		X	X
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-127		X	X
AN/USM-159		X	
AN/URM-207A			X
AN/USM-223		X	X
DA-75/U		X	X
IP-173A/U			X
ME-26D/U		X	X
ME-30A/U			X
ME-57/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TL-559/U			X
TS-585C/U		X	X
TV-7D/U		X	X
ZM-21B/U		X	X

3. **Applicable Publications:**

TM 11-5821-200-25P (Pertains to AT-454/ARC)
TM 11-5821-204-12
TM 11-5821-204-20P
TM 11-5821-204-35
TM 11-5821-204-35P
TM 11-6125-207 (Pertains to DY-107B/AR)
TM 12-6125-207-20P (Pertains to DY-107B/AR)
TM 11-6125-207-35 (Pertains to DY-107B/AR)

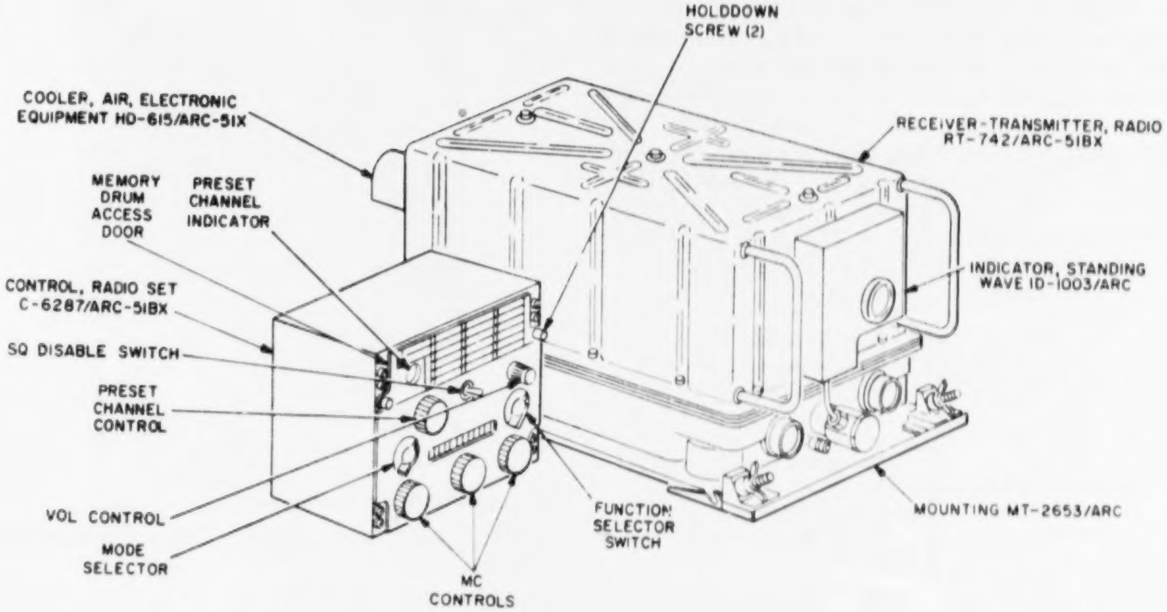

HOLDDOWN SCREW (2)
COOLER, AIR, ELECTRONIC EQUIPMENT HD-615/ARC-51X
RECEIVER-TRANSMITTER, RADIO RT-742/ARC-51BX
MEMORY DRUM ACCESS DOOR
PRESET CHANNEL INDICATOR
INDICATOR, STANDING WAVE ID-1003/ARC
CONTROL, RADIO SET C-6287/ARC-51BX
SQ DISABLE SWITCH
PRESET CHANNEL CONTROL
VOL CONTROL
MODE SELECTOR
FUNCTION SELECTOR SWITCH
MOUNTING MT-2653/ARC
MC CONTROLS

Figure 37. AN/ARC-51BX Radio Set

1. Brief Description: Radio Set AN/ARC-51BX is an airborne radio set which provides AM voice communications within the UHF band. The AN/ARC-51BX has 3500 available channels, plus a fixed guard channel, operating within the frequency range of 225.0 to 399.95 MHz. Channel spacing is 50 kHz. Power output is 16 watts minimum on all channels. Input power requirements is 27.5 volts DC at 12.25 amps. RT-742/ARC-51BX differs from the RT-742B/ARC-51BX and RT-742C/ARC-51BX in that it has no secure mode of operation. The AN/ARC-51BX consists of the following components:

C-6287/ARC-51BX	Control
HD-615/ARC-51X	Electronic Equipment Air Cooler
ID-1003/ARC	Standing Wave Ratio Indicator
MT-2653/ARC	Mount
RT-742/ARC-51BX	Receiver-Transmitter
or	
RT-742B/ARC-51BX	Receiver-Transmitter
or	
RT-742C/ARC-51BX	Receiver-Transmitter

The following component is used with but not issued as part of the AN/ARC-51X or AN/ARC-51BX:

AT-1108/ARC	Antenna

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-25D		X	X
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-127		X	X
AN/USM-44B		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
DA-75/U		X	X
ME-26D/U		X	X
MK-731/ARC-51X		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-585C/U		X	X
TS-723D/U			X
TS-1836B/U		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5820-518-20
TM 11-5820-518-20P
TM 11-5820-518-35
TM 11-5820-519-35P

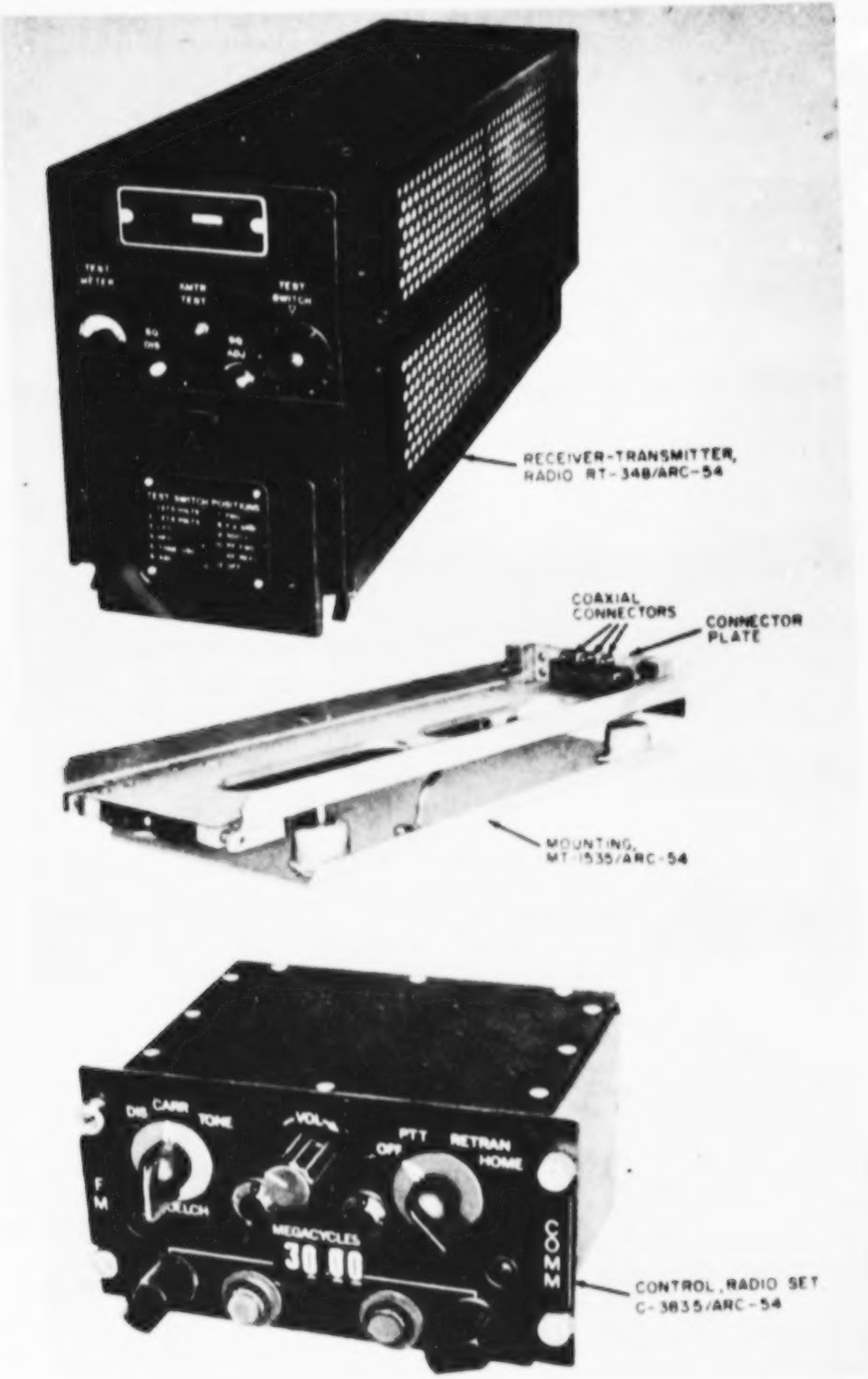

TEST METER
XMTR TEST
TEST SWITCH
SQ DIS
SQ ADJ
RECEIVER-TRANSMITTER, RADIO RT-348/ARC-54
COAXIAL CONNECTORS
CONNECTOR PLATE
MOUNTING, MT-1535/ARC-54
DIS
CARR
TONE
VOL
OFF
PTT
RETRAN
HOME
FM
COMM
MEGACYCLES
30.00
CONTROL, RADIO SET C-3835/ARC-54

Figure 38. AN/ARC-54 Radio Set

1. **Brief Description:** Radio Set AN/ARC-54 provides two-way voice communication between aircraft in flight and between aircraft and ground stations. The radio set is a double-conversion, superheterodyne, frequency modulated receiver-transmitter with 800 crystal-controlled channels in the frequency range of 30.0 to 69.95 MHz. Channel separation is 50 kHz. This equipment is so designed as to provide homing, selective calling, and data transmission facilities. The set can also be used in conjunction with the TSEC/KY-28 to provide secure voice (mode X) operation. The input power requirement is 27.5 volts DC at 7 amps during transmit and 3.4 amps for receive. Major components of this set are as follows:

C-3835/ARC-54	Control
MT-1535/ARC-54	Mount
RT-348/ARC-54	Receiver-Transmitter
516-2776-001	Connector Kit

NOTE

> The AN/ARC-54 is used with a variety of other components such as communication/homing antennas, couplers, indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-87		X	X
AN/URM-25D		X	X
AN/URM-103		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/URM-145		X	X
AN/USM-44B		X	X
AN/USM-159		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-231			X
AN/USM-281A			X
CN-970/U		X	X
CN-1128/U		X	X
DA-75/U		X	X
ME-26D/U		X	X
ME-30A/U		X	X
ME-57/U		X	X
MK-733/ARC-54		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723D/U		X	X
TS-1836B/U		X	X
TV-7D/U		X	X

3. **Applicable Publications:**

TM 11-5821-244-12
TM 11-5821-244-20P
TM 11-5821-244-34
TM 11-5821-244-34P

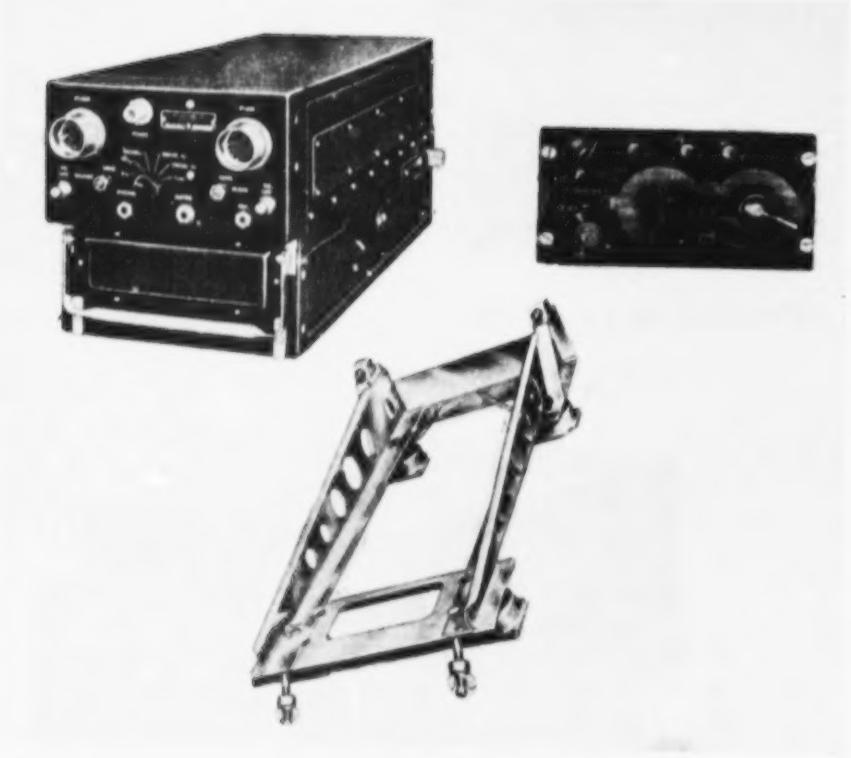


Figure 39. AN/ARC-55( ) Radio Set

1. Brief Description: The AN/ARC-55( ) is designed to provide two-way AM voice communications on any one of 1750 channels within the frequency range of 225.0 to 399.9 MHz. The set also contains provisions for monitoring one predetermined channel (guard channel) within a frequency band of 238.0 to 248.0 MHz. In the AN/ARC-55A and AN/ARC-55B, a barometric switch has been added to reduce the RF power output at altitudes above 15,000 feet. The AN/ARC-55B also utilizes a transistorized power supply in lieu of a dynamotor. The input power requirement is 27.5 volts DC at 25 amps.

The AN/ARC-55 consists of the following components:

C-1827/ARC-55	Control
MT-1536/ARC-55	Mount
RT-349/ARC-55	Receiver-Transmitter

The AN/ARC-55A consists of the following components:

C-1827/ARC-55	Control
MT-1536/ARC-55	Mount
RT-349A/ARC-55	Receiver-Transmitter

The AN/ARC-55B consists of the following components:

C-1827/ARC-55	Control
MT-1536/ARC-55	Mount
RT-349B/ARC-55	Receiver-Transmitter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-63		X	X
AN/URM-25D		X	X
AN/URM-80			X
AN/URM-81			X
AN/URM-105	X		
AN/URM-120		X	X
AN/URM-127		X	X
AN/USM-44A		X	X
AN/USM-159		X	
AN/USM-223		X	X
AN/USM-281A		X	X
DA-75/U		X	X
ME-26B/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723/U			X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5821-210-12P
TM 11-5821-225-10
TM 11-5821-225-24
TM 11-5821-225-50

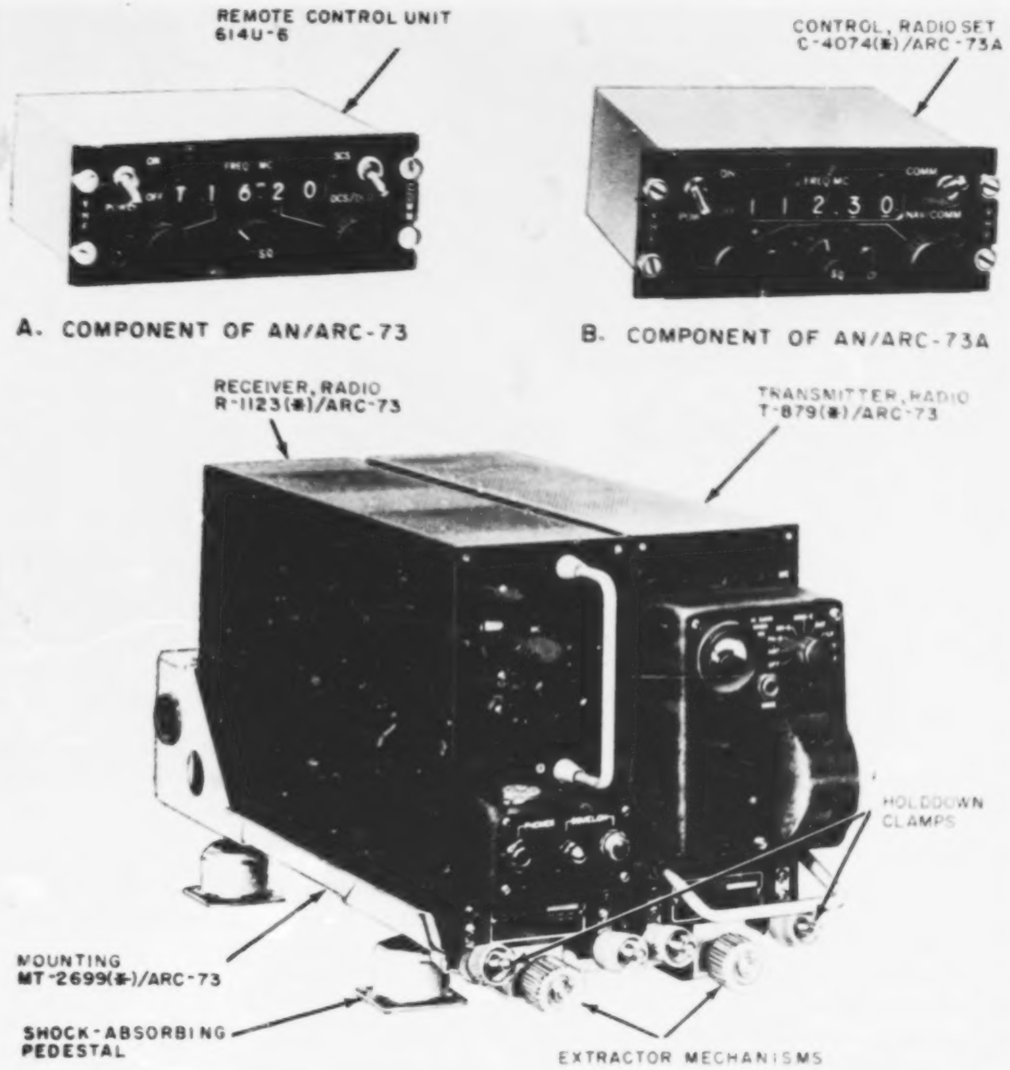

REMOTE CONTROL UNIT
614U-6
CONTROL, RADIO SET
C-4074(*)/ARC-73A
A. COMPONENT OF AN/ARC-73
B. COMPONENT OF AN/ARC-73A
RECEIVER, RADIO
R-1123(*)/ARC-73
TRANSMITTER, RADIO
T-879(*)/ARC-73
HOLDDOWN
CLAMPS
MOUNTING
MT-2699(*)/ARC-73
SHOCK-ABSORBING
PEDESTAL
EXTRACTOR MECHANISMS

Figure 40. AN/ARC-73A Radio Set

1. Brief Description: The AN/ARC-73A is an amplitude-modulated, very high-frequency, two-way aircraft radio set used for air-to-air and air-to-ground communications. The AN/ARC-73A will transmit on any frequency within the range of 116.0 to 149.95 MHz and receive within the frequency range of 116.0 to 151.95 MHz. Channel separation is 50 kHz. The input power requirement is 27.5 volts DC at 8 amps when transmitting and 2 amps during receive conditions. Major components of the AN/ARC-73A are as follows:

C-4074/ARC-73A	Control
MT-2699/ARC-73	Mount
R-1123/ARC-73	Receiver
T-879/ARC-73	Transmitter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-45		X	X
AN/URM-25D		X	X
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-127		X	X

Type No.	*O*	*F*	*H*
AN/USM-44B		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
CN-608/U			X
DA-75/U		X	X
ME-26D/U		X	X
ME-30A/U		X	X
TK-100G		X	X
TK-101/G	X		
TK-105/G		X	X

Type No.	*O*	*F*	*H*
TS-585C/U		X	X
TS-723D/U			X
TS-1836B/U		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5821-217-12
TM 11-5821-217-20P
TM 11-5821-217-34
TM 11-5821-217-34P

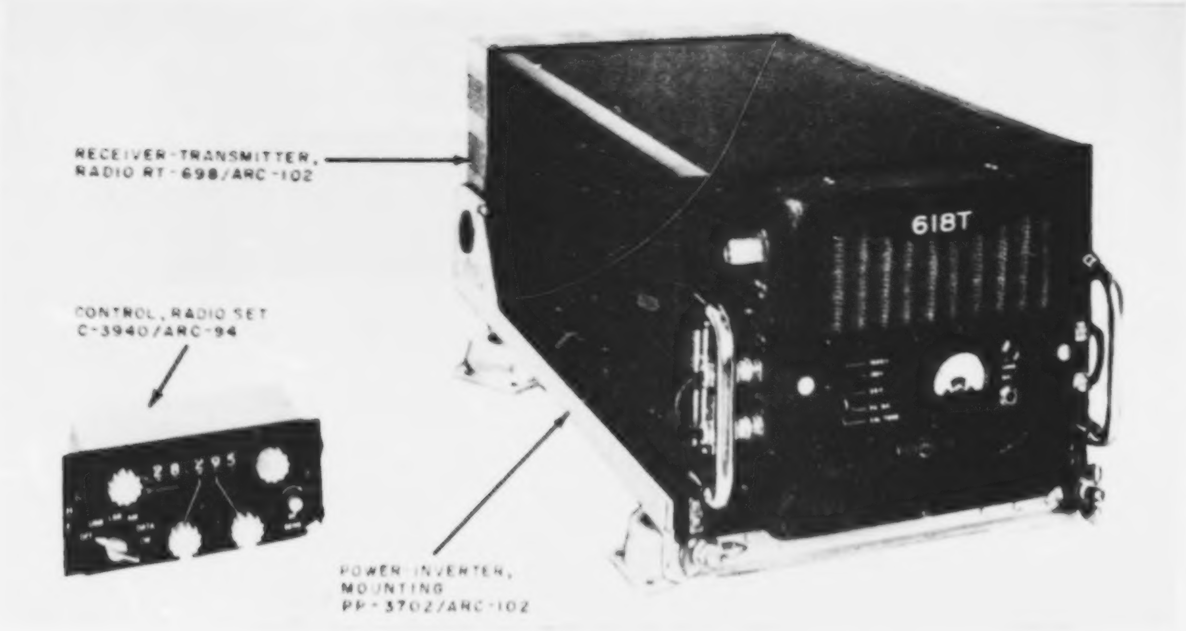

RECEIVER-TRANSMITTER, RADIO RT-698/ARC-102
CONTROL, RADIO SET C-3940/ARC-94
POWER INVERTER, MOUNTING PP-3702/ARC-102
618T

Figure 41. AN/ARC-102 Radio Set

1. Brief Description: The AN/ARC-102 is an airborne radio capable of receiving and transmitting AM, USB, LSB, CW, and data within the frequency range of 2.000 to 29.999 MHz on any of 28,000 channels. The RF power output on SSB is 400 watts PEP; AM is 100 watts average; CW is 100 watts average. The input power requirement is 27.5 volts DC at 35 amps. Major components of this set are as follows:

C-3940/ARC-94	Control
MT-2641/ARC-94	Mount (used in lieu of the PP-3702 in CH-47 aircraft only)
PP-3702/ARC-102	Power-Inverter Mounting
RT-698/ARC-102	Receiver-Transmitter

NOTE

The AN/ARC-102 is used with other components, such as couplers and antennas, to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/UPM-84A			X
AN/URM-25D		X	X
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-127		X	X
AN/URM-145		X	X
AN/URM-157		X	X
AN/USM-98A		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
DA-75/U		X	X
DA-340/URC			X
ME-26D/U		X	X
ME-30A/U		X	X
MK-722/URC		X	X
MX-3341/U		X	X
R-1122/GR			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723D/U			X
TS-1836B/U		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5821-248-12
TM 11-5821-248-20P
TM 11-5821-248-34P
TM 11-5821-248-35

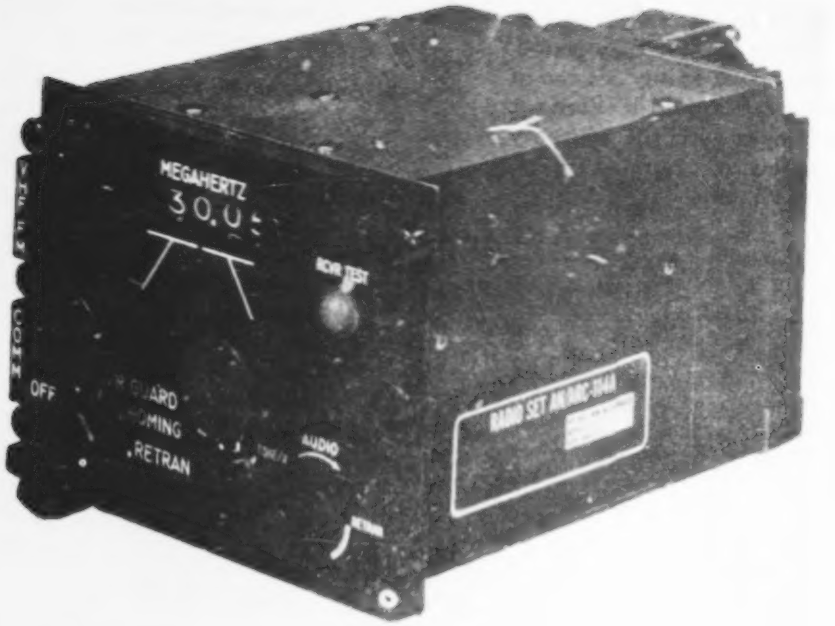


Figure 42. AN/ARC-114A Radio Set

1. Brief Description: Radio Set AN/ARC-114( ) is an airborne, very high frequency (VHF), frequency-modulated (FM), radio receiving-transmitting set that is compatible with the AN/VRC-12 series of ground tactical radio sets. The radio set contains a multichannel, electronically tunable main receiver and transmitter, a fixed-tuned guard receiver, and has a homing capability. The main receiver and transmitter operate on any one of 920 channels, spaced in 50 kHz increments in the 30.00 to 75.95 MHz frequency range. The guard receiver is fixed tuned in the 40.0 to 41.0 MHz frequency range. The radio set, when operated with external equipments, can be used for receiving and transmitting clear voice of X-mode communications. Transmitter frequency deviation is ±8.0 kHz; power output is 10 watts minimum; power input is 28 volts DC at .6 amp during receive and 3 amps during transmit conditions. The AN/ARC-114A is a product-improved version of the AN/ARC-114 that provides squelch switching, front panel water sealing, audio limiting and guard receive capability while receiving secure voice.

NOTE

The AN/ARC-114( ) is used with a variety of other components such as communication/homing antennas, couplers, indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/URM-25D		X	X
AN/URM-103		X	X
AN/URM-120		X	X
AN/URM-127		X	X
AN/URM-145		X	X
AN/USM-44B			X
AN/USM-98A		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
CN-796/U		X	X
H-157( )/AIC		X	X
ME-30A/U		X	X
ME-57/U		X	X
MK-994/AR		X	X
MK-1191/AR			X
MK-1192/AR		X	
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723D/U		X	X

NOTE

Some AN/ARC-114A sets are covered by a warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

TM 11-5821-259-20
TM 11-5821-259-24P
TM 11-5821-259-35

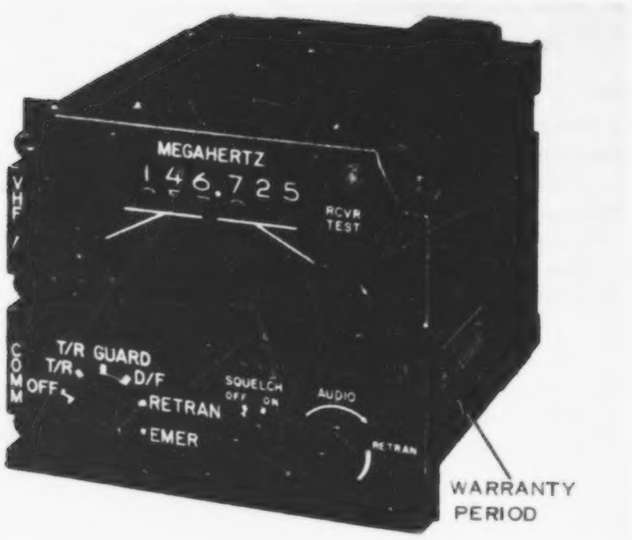


Figure 43. AN/ARC-115A Radio Set

1. **Brief Description**: Radio Set AN/ARC-115 is an airborne, very high frequency (VHF) amplitude-modulated (AM), radio receiving-transmitting set which contains a multichannel electronically tuned main receiver and transmitter, a fixed tuned guard receiver and has a direction finding capability when used with external equipment. The main receiver and transmitter operate on any one of the 1360 channels, spaced in 25 kHz increments in the 116.000 to 149.975 MHz frequency range. The guard receiver is fixed tuned in the 119.0 to 124.0 MHz frequency range. The radio set, when operated with external equipment can be used for receiving and transmitting clear voice communications. Power output of the AN/RC-115 is 10 watts minimum. The input power requirement during receive condition is 28 volts DC at .6 amp and 3.0 amps during transmit. The AN/ARC-115A is a product-improved version of the AN/ARC-115 that provides secure voice operation and an emergency frequency transmit selector switch.

2. **Applicable Tools and Test Equipment**: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-127		X	X
AN/URM-145		X	X
AN/USM-44B		X	X
AN/USM-98A		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
CM-77A/USM		X	X
CN-318/G		X	X
CN-796/U			X
DA-75/U		X	X
DT-307/G		X	X
H-157( )/AIC		X	X
ME-26D/U		X	X
ME-30A/U		X	X
MK-994/AR		X	X
MK-1191/AR			X
MK-1192/AR		X	
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-421A/U		X	X
TS-723D/U		X	X

NOTE

Some AN/ARC-115A sets are covered by a warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

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3. Applicable Publications:

TM 11-5821-260-12-1 Pertains to AN/ARC-115A
TM 11-5821-260-20 Pertains to AN/ARC-115
TM 11-5821-260-20P-1 Pertains to AN/ARC-115A
TM 11-5821-260-24P Pertains to AN/ARC-115
TM 11-5821-260-34-1 Pertains to AN/ARC-115A
TM 11-5821-260-34P-1 Pertains to AN/ARC-115A
TM 11-5821-260-35 Pertains to AN/ARC-115

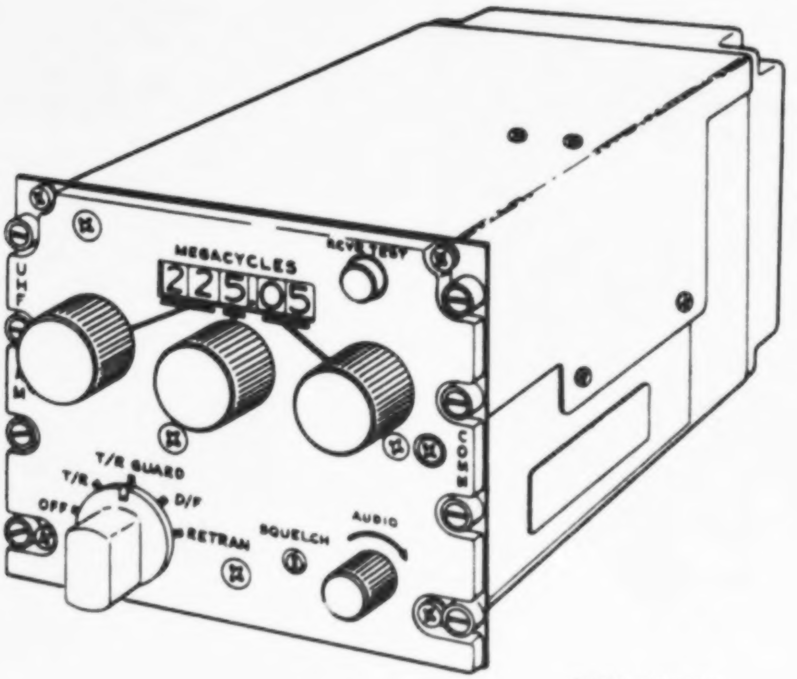

Figure 44. AN/ARC-116 Radio Set

1. **Brief Description:** Radio Set AN-WRC-116 is an airborne ultrahigh frequency (UHF), amplitude-modulated (AM), radio receiving-transmitting set which contains a multichannel, electrically tunable, main receiver and transmitter, a fixed tuned guard receiver and when used with external equipment provides a direction finding capability. The main receiver and transmitter operate on any one of 3500 channels, spaced on 50 kHz increments in the 225.00 to 399.95 MHz frequency range. When operated with other equipments a capability for receiving and transmitting clear voice or X-mode communications exists. Power output of the AN/ARC-116 is 10 watts minimum. Input power requirement is 28 volts DC at .6 amp during receive condition and 28 volts DC at 3 amps when transmitting.

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	O	F	H
AN/URM-105C	X		
AN/URM-25D		X	X
AN/URM-120		X	X
AN/URM-127		X	X
AN/URM-145		X	X
AN/USM-44B		X	X
AN/USM-98A		X	X
AN/USM-203C			X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
CM-77A/USM		X	X
CN-318/G		X	X
CN-796/U			X
DA-75/U		X	X
DT-307/U		X	X
H-157( )AIC		X	X
ME-26D/U		X	X
ME-30A/U		X	X
MK-994/AR		X	X
MK-1191/AR			X
MK-1192/AR		X	
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-421/U		X	X
TS-723/D/U		X	X

3. **Applicable Publications:**

TM 11-5821-261-20
TM 11-5821-261-20P
TM 11-5821-261-35
TM 11-5821-261-35P
SB 11-637

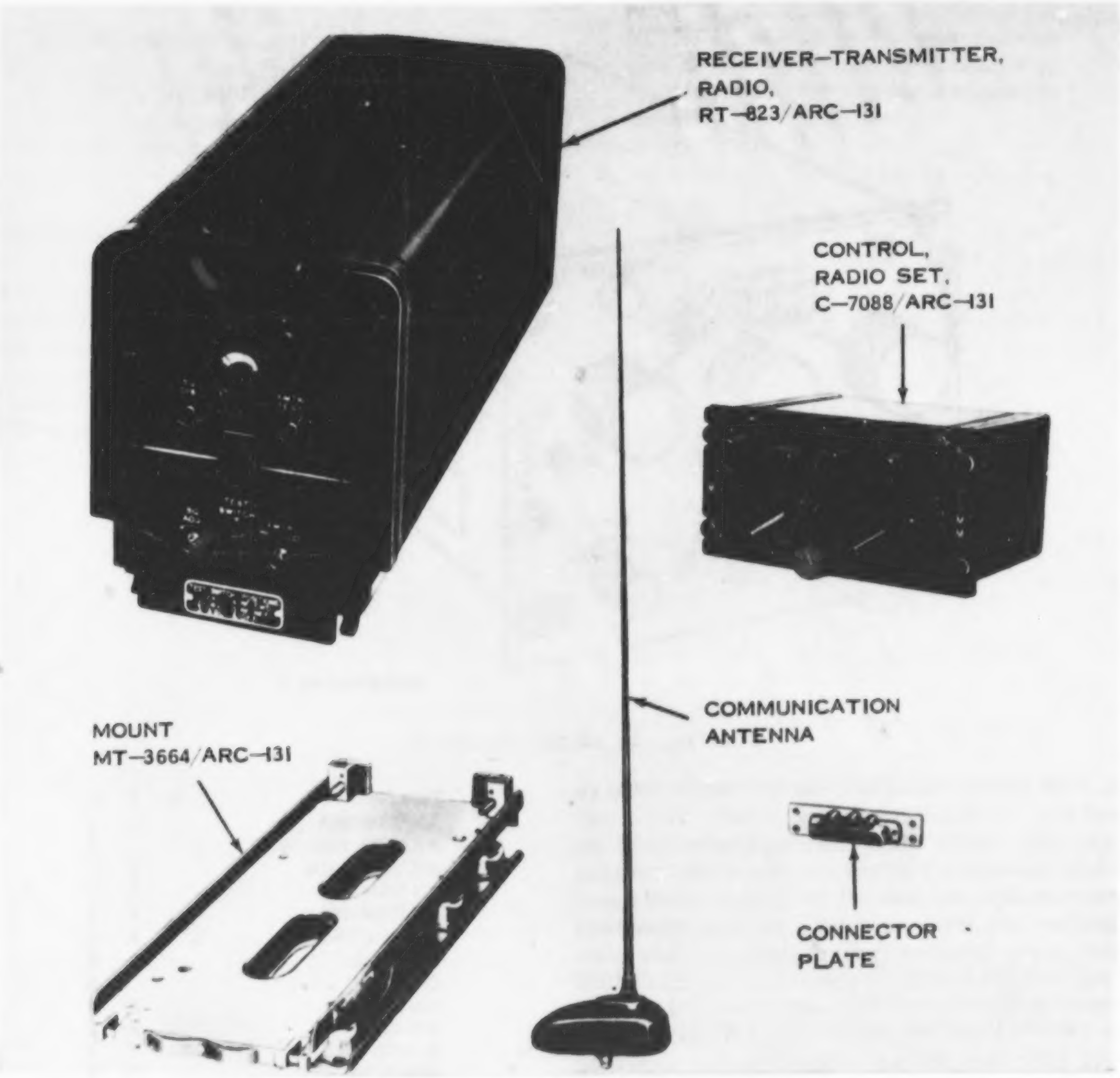
RECEIVER—TRANSMITTER, RADIO, RT—823/ARC—131
CONTROL, RADIO SET, C—7088/ARC—131
COMMUNICATION ANTENNA
MOUNT MT—3664/ARC—131
CONNECTOR PLATE

Figure 45. AN/ARC-131 Radio Set

1. Brief Description: Radio Set AN/ARC-131 is a lightweight FM airborne radio set designed for use in aircraft for air-to-air and air-to-ground communications, airborne retransmission and continuous wave homing. The AN/ARC-131 is capable of transmitting and receiving on any one of 920 channels, spaced 50 kHz, within the frequency range of 30.00 to 75.95 MHz. Frequency deviation is 8 kHz narrow band; 20 kHz wide band. The power output of the AN/ARC-131 is 10 watts minimum (high power); 1 watt nominal (low power). Input power requirement is 28 volts DC at 4 amps during transmit conditions and 28 volts DC at 1.0 amp when receiving. Major components of the AN/ARC-131 are as follows:

C-7088/ARC	Control
MT-3664/ARC-131	Mount
709229-801 (Magnovox)	Connector Kit
RT-823/ARC-131	Receiver-Transmitter

NOTE

The AN/ARC-131 is used with a variety of other components such as communication/homing antennas, coupler, indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-103			X
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-127		X	X
AN/URM-145		X	X
AN/USM-44B		X	X
AN/USM-207A			X
AN/USM-223		X	X
AN/USM-281A		X	X
AN/VRM-1		X	X
DA-75/U		X	X
HE-78E/AIC		X	X
ME-26D/U		X	X
ME-30A/U			X
ME-57/U		X	X
MK-1035/ARC-131		X	X
TK-100/G		X	X
TK-101/G		X	X
TK-105/G	X		
TS-723D/U		X	X
TS-805D/U			X
TS-2609/U		X	X
Stopwatch, Chronometer			X
651C3		X	X

3. Applicable Publications:

TM 11-5820-670-12
TM 11-5820-670-20P
TM 11-5820-670-34
TM 11-5820-670-34P

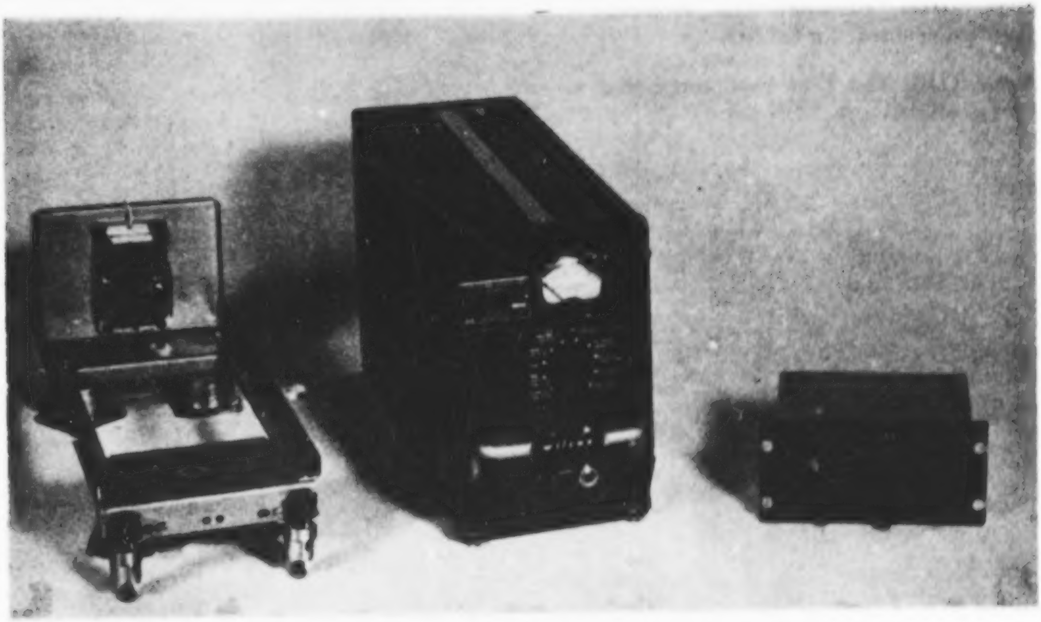

Figure 46. AN/ARC-134( ) Radio Set

1. Brief Description: Radio Set AN/ARC-134( ) is an airborne, very high frequency (VHF), amplitude-modulated (AM), radio receiving-transmitting set which operates in the range of 116.0 through 149.975 MHz, utilizing 1360 channels spaced at 25 kHz intervals. Transmitter power output is 25 watts minimum, 40 watts normal. Input power requirement is 27.5 volts DC at 11 amperes maximum.

The AN/ARC-134 consists of the following components:

C-7197/ARC-134	Control
MT-3791/ARC-134	Mount
RT-857/ARC-134 (unmodified)	Receiver-Transmitter

The AN/ARC-134A consists of the following components:

C-7197/ARC-134	Control
MT-3791A/ARC-134	Mount
RT-857/ARC-134 (unmodified)	Receiver-Transmitter

The AN/ARC-134B consists of the following components:

C-7197/ARC-134	Control
MT-3791B/ARC-134 or	Mount
MT-3791C/ARC-134	Mount
RT-857/ARC-134 (modified by MWO 11-5821-277-50/1	Receiver-Transmitter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64		X	X
AN/URM-120		X	X
AN/USM-127		X	X
AN/USM-44B		X	X
AN/USM-203C		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
CN-608/U		X	X
DA-75/U		X	X
H-216/U		X	X
M-52A/U		X	X
ME-26D/U		X	X
ME-30A/U		X	X
MK-1004/ARC		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-585C/U		X	X
TS-1836B/U		X	X

3. Applicable Publications:

TM 11-5821-277-20
TM 11-5821-277-20P
TM 11-5821-277-34P
TM 11-5821-277-35

Figure 47. AN/ARC-149(V)1 Radio Repeater Set

1. Brief Description: Radio Repeater Set AN/ARC-149(V) is an airborne, frequency modulated (FM) radio repeater and radio relay for ground radio stations which are not within range of each other. This set has a capability of retransmitting up to 3 FM radio stations between compatible ground stations. The AN/ARC-149(V) also has the capablility to retransmit either plain or secure voice radio transmission and to relay multiplex radio transmission from a ground Radio Terminal Set. The number of components comprising an operable AN/ARC-149(V)1, AN/ARC-149(V)2, and AN/ARC-149(V)3, are as follows:

V1	V2	V3		
1 ea	1 ea	1 ea	C-1611( )/AIC	Intercommunication Set
1 ea	1 ea	1 ea	C-8157/ARC	Control-Indicator
1 ea	1 ea	1 ea	TSEC/KY-28	Voice Security Equipment
1 ea	1 ea	1 ea	H-101A/U	Headset-Microphone
1 ea	2 ea	3 ea	C-8379/U	Control Amplifier
2 ea	4 ea	6 ea	C-7088/ARC-131	Control
2 ea	4 ea	6 ea	RT-823/ARC-131	Receiver-Transmitter
1 ea	2 ea	3 ea	HYL-3/TSEC	Digital Regenerative Repeater
1 ea	2 ea	3 ea	U-383/VR	Power Supply Adapter
2 ea	4 ea	6 ea	CU-942B/ARC	Antenna Coupler
1 ea	2 ea	3 ea	CX-4721/VRC	Power Cable Assembly
1 ea	2 ea	3 ea	MT-4190/ARC-149(V)	Electrical Equipment Rack
1 ea	1 ea	1 ea	MT-4191/ARC-149(V)	Electrical Equipment Rack

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications: Technical publications for the AN/ARC-149 as a system are not available. Refer to applicable publications for each major component.

Brief Description: AN/ARC–164 pertains to a family of radio sets. For specific details refer to data sheets for AN/ARC–164(V)12, RT–1145C/ARC–164, RT–1145F/ARC–164, and RT–1167( )/ARC–164.

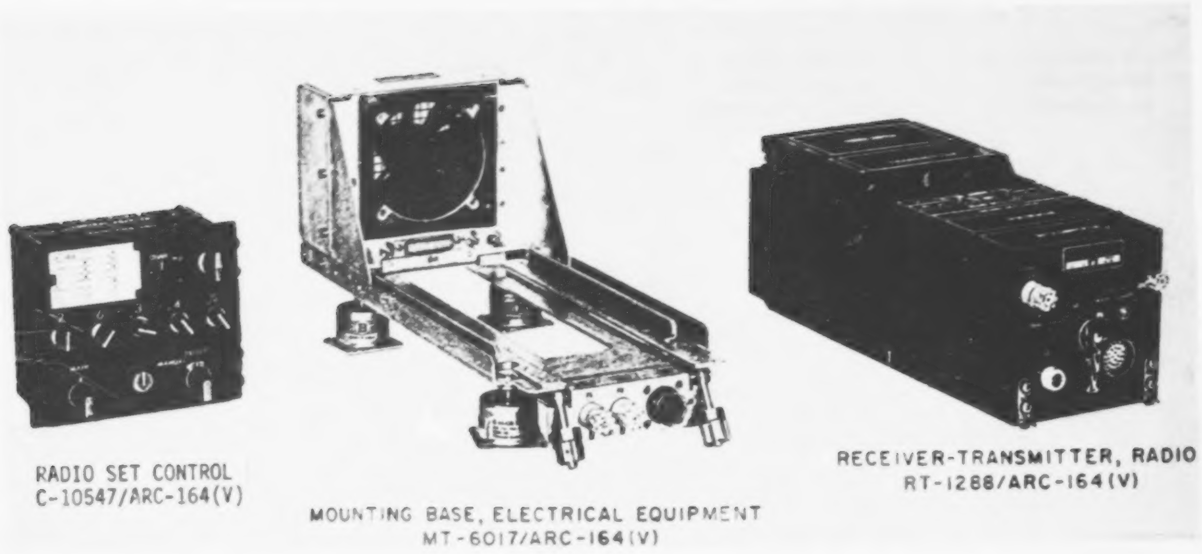
RADIO SET CONTROL
C-10547/ARC-164(V)
MOUNTING BASE, ELECTRICAL EQUIPMENT
MT-6017/ARC-164(V)
RECEIVER-TRANSMITTER, RADIO
RT-1288/ARC-164(V)

Figure 48. AN/ARC-164(V)12 Radio Set

1. Brief Description: The AN/ARC-164(V)12 is a UHF radio which may be programmed to operate in AM voice, external modem, FM data and FM voice modes. It is primarily used in the FM data mode to transmit and receive data in systems such as the AN/AKT-18B and AN/USQ-61A. It has 7000 channels (20 preset) spaced 25 Hz apart and operates in the frequency range of 225.000 to 399.975 MHz. Maximum power output is 100 watts. Major components are:

C-10547/ARC-164(V)	Control
MT-6017/ARC-164(V)	Mount
RT-1288/ARC-164(V)	Receiver-Transmitter

Important Note

The AN/ARC-164(V)12 is used by the Army only as a data link radio set and is considerably different from the RT-1145/ARC-164 and RT-1167/ARC-164 which are used as standard UHF-AM radios in most Army aircraft. The RT-1145/ARC-164 and RT-1167/ARC-164 are described elsewhere in this publication.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64B		X	X
AN/URM-120		X	X
AN/URM-127		X	X
AN/URM-145		X	X
AN/URM-184A		X	X
AN/USM-223		X	X
AN/USM-281C		X	X
ME-57/U		X	X
OQ-273/ARC-164(V)		X	X
PP-1104C/G		X	X
SG-1112(V)		X	X
TK-100/G		X	X
TK-101/G	X		

3. Applicable Publications:

TM 11-5841-286-13
TM 11-5841-286-20P
TM 11-5841-286-30P

(Illustration Not Available)

Figure 49. AN/ARC-174 Radio Set

1. Brief Description: The AN/ARC-174 is an airborne radio set capable of transmitting and receiving in the USB, LSB, AME, CW, and SVU/SVL modes on any one of 280,000 channels in the frequency range of 2 to 29.999 MHz. Power output is 100 watts. The input power requirement is 28 VDC at 41 watts receive and 280 watts transmit. Major components are:

AM-6798/ARC-174	Amplifier-Coupler
MT-4777/ARC-174	Mount (RT-1182)
RT-1182/ARC-174	Receiver-Transmitter

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

(Illustration Not Available)

Figure 50. AN/ARC–182 Radio Set

1. Brief Description: The AN/ARC–182 Radio Set provides AN or FM communications in the frequency range of 30 MHz to 395.975 MHz. Further details are not available.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

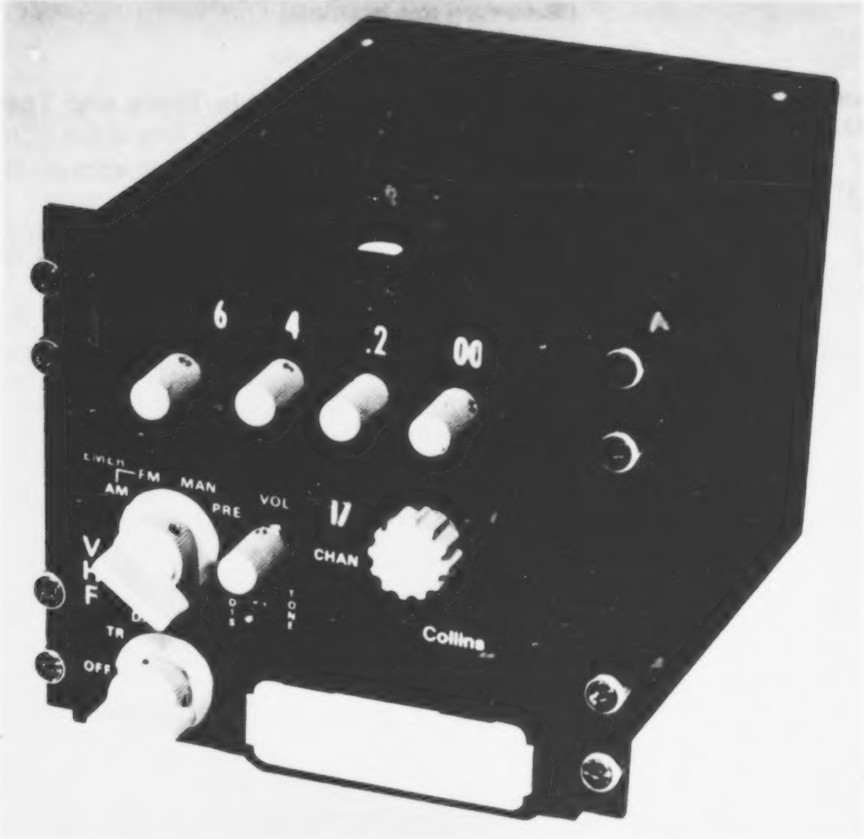

Figure 50.1. RT-1354/ARC-186(V)

1. Brief Description: The AN/ARC-186(V) pertains to a family of radio sets. The RT-1300( )/ARC-186(V) and RT-1354( )/ARC-186(V) are airborne transceivers installed and reception capabilities in one unit. Frequency ranges are 30.000 to 87.975 MHz and 116.000 to 151.975 MHz AM in a total of 4080 channels, 20 of which may be preset. Other features include near instantaneous tuning to 40.5 MHz FM or 121.5 MHz emergency frequencies. The transceivers will operate in the FM Homing mode when used in conjunction with the CM-482/ARC-186 or CM-492/ARC-186 FM Homing units. Power input requirement is 28 volts DC and power output is 10 watts minimum. Configuration differences are as follows:

C-10604(V)6/ARC-186(V)	Panel Mounted Remote Control
C-10606(V)6/ARC-186(V)	Panel Mounted Remote Control
MT-6048/ARC-186(V)	Mount for RT-1300A/ARC-186 when adapting to existing AN/ARC-54/131 wiring.
MT-6050/ARC-186(V)	Mount for RT-1300A/ARC-186 when adapting to existing AN/RC-134 wiring.
MT-6051/ARC-186(V)	Mount for RT-1300 (A&B)/ARC-186(V)
RT-1300A/ARC-186(V)	Remote Mounted Transceiver
RT-1300B/ARC-186(V)	MIL STD-1553B Bus Compatible Transceiver
RT-1354/ARC-186(V)	Panel Mounted Transceiver

NOTE

Refer to Section III of this publication for aircraft applicability.

2. Applicable Tools and Test Equipment:

See Appendix B for nomenclature, NSN, etc.:

Type No.	*AVUM*	*AVIM*
AN/GRM–114A		X
AN/GSM–64C	X	
AN/PSM–45	X	
AN/URM–120A	X	X
AN/URM–127A		X
AN/URM–145D		X
AN/URM–184A		X
AN/USM–488		X
DA–75/U	X	X
H–158/AIC	X	X
J–4247/AR		X
ME–525/USM		X
MK–994A/AR		X
MX–1730/U		X
(5920–00–636–0679)		
PP–1104C/G		X
SG–1112(V)1/G		X
TK–100/G		X
TK–101/G	X	
TK–105/G		X
NARDA 768–30		X
(5985–00–233–4626)		
80ZH3		X
(5985–00–888–8714)	X	
Static Work Station		X
(6625–01–114–4481)		

3. Applicable Publications:

TM 11–5821–318–12
TM 11–5821–318–20P
TM 11–5821–318–30
TM 11–5821–318–34P

(Illustration Not Available)

Figure 50.2. AN/ARC–199 Radio Set

1. Brief Description: The Nap-of-the-Earth (NOE) High Frequency-Single Side Band (HF-SSB) Radio Set, AN/ARC–199, will be used by Army aircraft to communicate while operating at NOE altitudes (air-to-air and air-to-ground). Frequency range of the AN/ARC–199 is 2–30 MHz in 100 Hz steps. RF output is selectable in 4, 40, 150 watts Peak Envelope Power (PEP). Power input is 55 watts @ 27.5 VDC. Major components are:

AT–( )	Antenna (Varies with acft type)
AM–7201/U	Amplifier-Coupler, RF
C–11245/U	Control (not required with acft having MIL-STD-1553B Data Bus)
CU–2305/ARC–199	Coupler, Antenna
RT–1432/U	Receiver-Transmitter

2. Applicable Tools and Test Equipment:

See Appendix B for nomenclature, NSN, etc.

Type No.	*AVUM*	*AVIM*
AN/URM–209		X
TK–101/G	X	
TK–105/G		X

NOTE

The AN/ARC–199 will be supported for three years under a Reliability Improvement Warranty (RIW). Midway during the warranty period a decision will be made to go organic support or extend the RIW.

3. Applicable Publications: To be determined.

Brief Description: AN/ARC–201(V) pertains to a family of SINCGARS(V) radio sets. For specific details, refer to data sheets on the RT–1476/ARC–201(V), RT–1477/ARC–201(V) and RT–1478/ARC–201(V).

(Illustration Not Available)

Figure 51. AN/ARM-163(V)3 Flight Line Test Set

1. Brief Description: The AN/ARM-163(V)3 Flight Line Test Set is a part of the Guardrail V system. It provides complete flight lines test facilities for the aircraft-mounted GRV communications, receiving and DF electronics. The AN/ARM-163(V)3 is a commercial van with a 12-foot cabin area and equipment configuration similar to GR IV. The power unit installed in the van is completely enclosed, sealed and sound insulated from the van interior, but readily accessible from the van exterior via a louvered door. The van contains four shock-mounted racks on which the electronics equipment is mounted. Storage space, including locked cabinets for classified equipment, and a work bench area are provided. The van is modified to provide cabin area ventilation, antenna mounting, and an external power and RF cable interface panel.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-127		X	X
AN/USM-223	X	X	
AN/USM-281C		X	X
DA-75/U		X	
IP-1216(P)/GR		X	
ME-496/U	X	X	X
PL-1406/U		X	
SG-1125/U		X	
TK-101/G	X		
TK-105/G		X	X
010-6101-01		X	X
547A		X	X
6114A		X	X
6200B		X	X

3. Applicable Publications:

TM 11-6625-2898-13

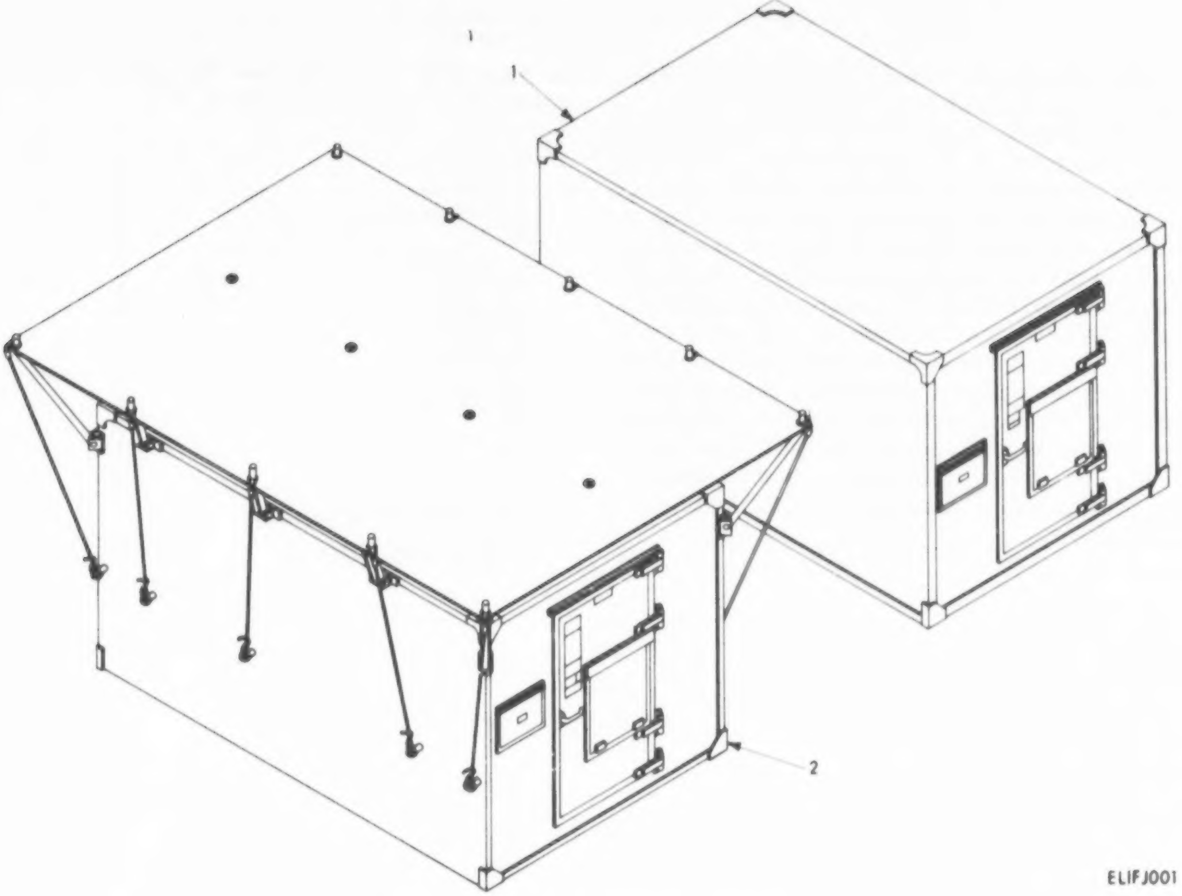

Figure 52. AN/ARM-165 Maintenance Facility

1. Brief Description: The AN/ARM-164 Maintenance Facility is a part of the Quick Fix I system. It consists of one S-551/ARM-164 Maintenance Shelter and two S-552/ARM-164 Storage Shelters.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-4940-479-14
TM 11-4940-479-23P

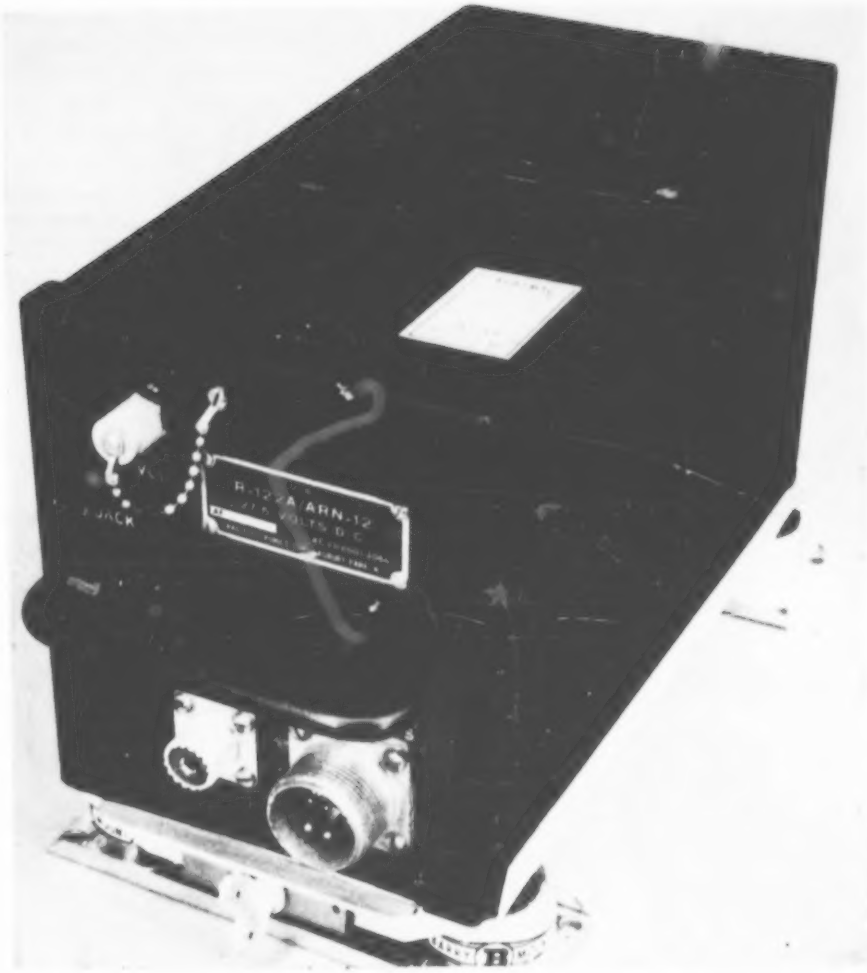

Figure 53. AN/ARN-12 Radio Receiving Set

1. Brief Description: The AN/ARN-12 is an airborne Marker Beacon Receiver, designed to receive 75 MHz signals which are radiated vertically from certain ground locations near runways in cone or fan shaped patterns. The input power requirement is 27.5 volts DC at 1.5 amps. Major components of this set are as follows:

MT-589A/ARN-12	Mount
R-122A/ARN-12	Receiver

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/URM-127		X	X
AN/URM-44B		X	X
AN/USM-159		X	X
AN/USM-223		X	X
ME-30A/U			X
MX-1292/PAQ		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-521
TM 11-5826-206-12P
TM 11-5826-206-35P

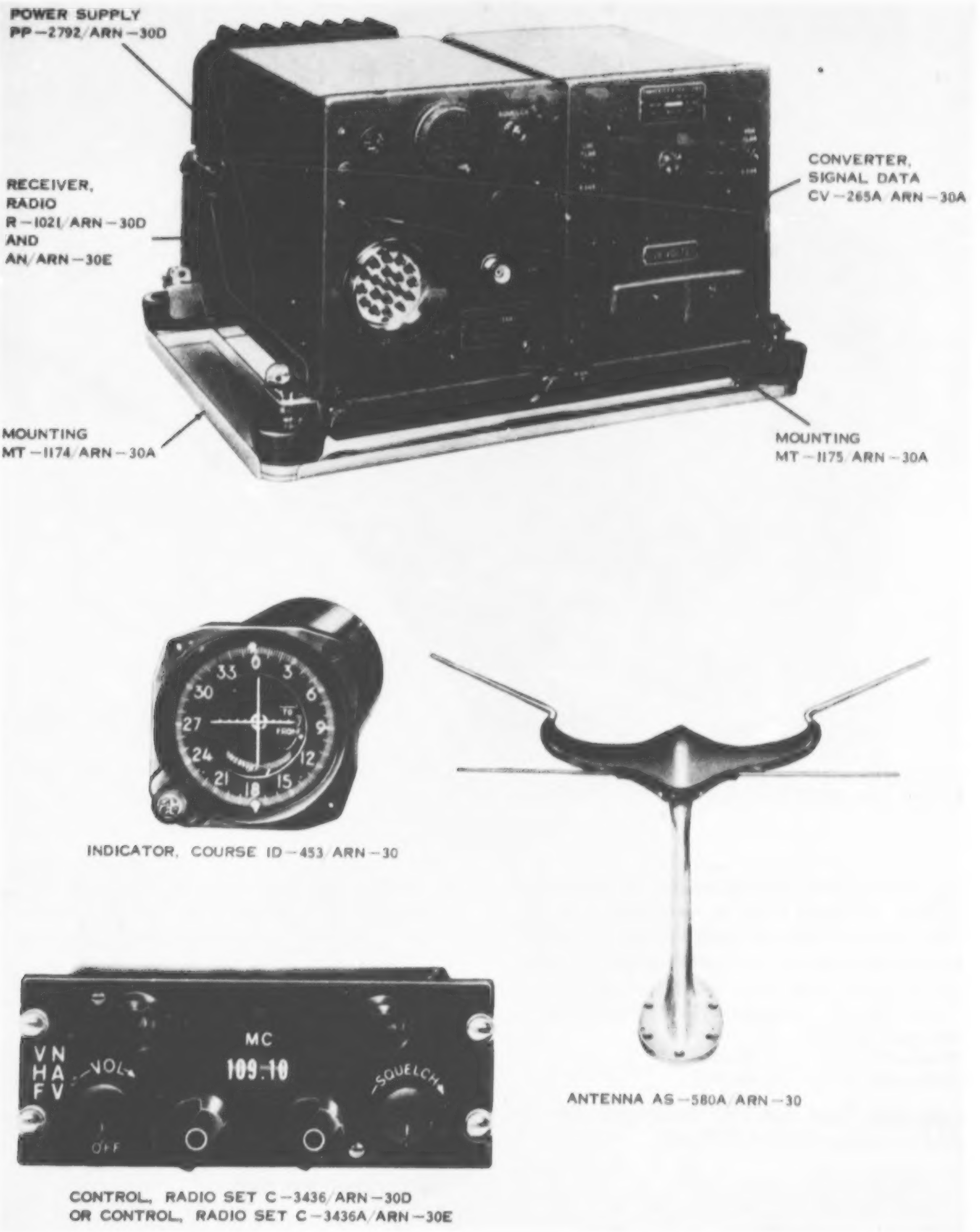
POWER SUPPLY
PP-2792/ARN-30D
RECEIVER, RADIO
R-1021/ARN-30D
AND
AN/ARN-30E
MOUNTING
MT-1174/ARN-30A
CONVERTER, SIGNAL DATA
CV-265A/ARN-30A
MOUNTING
MT-1175/ARN-30A
INDICATOR, COURSE ID-453/ARN-30
ANTENNA AS-580A/ARN-30
VHF
NAV
VOL
OFF
MC
109.10
SQUELCH
CONTROL, RADIO SET C-3436/ARN-30D
OR CONTROL, RADIO SET C-3436A/ARN-30E

Figure 54. AN/ARN-30D/E Radio Receiving Set

1. Brief Description: The AN/ARN-30( ) is an airborne set operating in the VHF range of 108.0 to 125.9 MHz. The set is capable of receiving VHF omnidirectional radio range signals and localizer signals as well as simultaneous reception of voice communications within frequency range. The power input requirement is 2.5 amps at 27.5 volts DC. Major components of the set are as follows:

AS-580A/ARN-30	Antenna
C-3436/ARN-30D	Control (U/W AN/ARN-30D)
C-3436A/ARN-30E	Control (U/W AN/ARN-30E)
CV-265A/ARN-30A	Converter
ID-453/ARN-30	Course Indicator
MT-1174/ARN-30A	Mount
MT-1175/ARN-30A	Mount
PP-2792/ARN-30D	Power Supply
R-1021/ARN-30D	Receiver

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
* AN/ARM-5		X	X
* AN/ARM-63		X	X
* AN/ARM-69		X	X
AN/URM-25D		X	X
AN/URM-105	X		
AN/URM-127		X	X
ANZ/USM-44A		X	X
AN/USM-159		X	
AN/USM-207A		X	X
AN/USM-223		X	X
H-216/U		X	X
I-199			X
* MD-83/ARN			X
ME-26B/U		X	X
ME-30A/U		X	X
PP-1243/U		X	
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
** SG-13/ARN			X
TS-723/U			X
TS-1836/U			X
TV-7D/U		X	X
ZM-21B/U		X	X

3. Applicable Publications:

TM 11-5826-215-12
TM 11-5826-215-35

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* Planned for replacement by the AN/ARM-180
** Planned for replacement by the AN/ARM-186

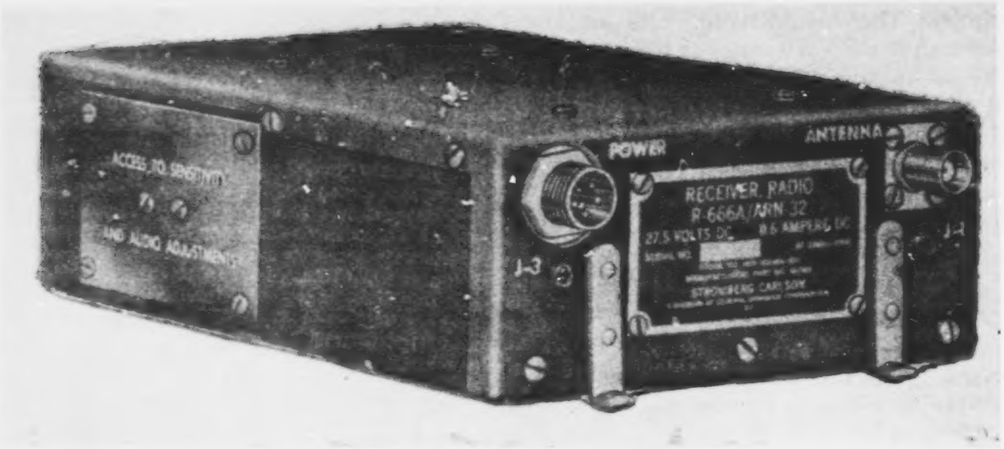

ACCESS TO SENSITIVITY
AND AUDIO ADJUSTMENTS
POWER
ANTENNA
RECEIVER, RADIO
R-666A/ARN-32
27.5 VOLTS DC
0.6 AMPERES DC
STROMBERG CARLSON
J-3
J-2

Figure 55. AN/ARN-32 Radio Receiving Set

1. Brief Description: The AN/ARN-32 is an airborne marker beacon receiver designed to receive 75 MHz signals radiated upward in a narrow beam from ground stations. The indication is both visual and aural which indicates to the pilot when he is passing through a marker beacon beam. The input power requirement is 27.5 volts DC at 6 amps. The major components are as follows:

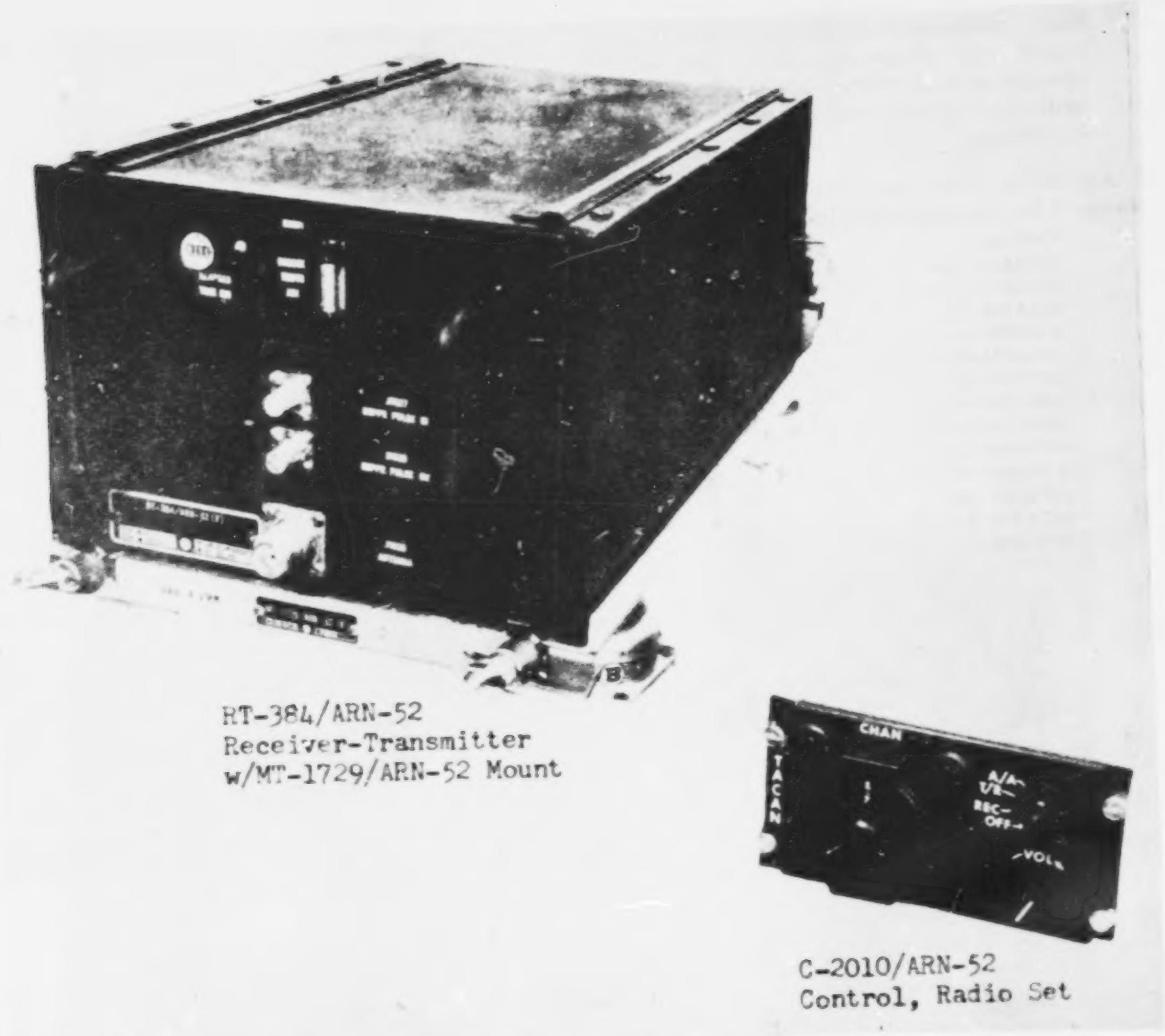
AT-640A/ARN	Antenna
MT-1546/ARN-32	Mount
R-666B/ARN-32	Receiver

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-63		X	X
AN/URM-79			X
AN/URM-80			X
AN/URM-105	X		
AN/USM-44A		X	X
AN/USM-223		X	X
BC-376/U	X		
ME-26B/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-585/U		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5826-205-12P
TM 11-5826-205-34
TM 11-5826-205-35P
TM 11-5826-205-50
TB 11-5826-205-12/1



RT-384/ARN-52
Receiver-Transmitter
w/MT-1729/ARN-52 Mount

C-2010/ARN-52
Control, Radio Set

Figure 56. AN/ARN-52(V) TACAN Navigation Set

1. **Brief Description:** The AN/ARN-52(V), is an airborne navigational set that operates in conjunction with a selected fixed ground station or with another aircraft equipped with an AN/ARN-52(V). In the receive mode of operation, continuous bearing (azimuth angle) is provided from the aircraft to a selected ground station measured clockwise from magnetic north. In the receive-transmit mode a continuous digital readout of line-of-sight distance from the aircraft to a selected ground station is provided in addition to bearing information. A ground station identity tone is provided in both modes of operation. The air-to-air mode of operation provides continuous distance information between the two cooperation aircraft. The maximum operating range of the equipment in any mode is approximately 300 miles. The power output is 1.5 kw minimum, 3.0 maximum. Input power requirements are 115 volts Ac, 400 Hz at 250 watts and 28 volts. DC at 61.6 watts. Major components of the AN/ARN-52(V) are as follows:

C-2010/ARN- 52(V)	Control, Radio Set
MT-3680/ARN-52(V)	Mounting
RT-384/ARN-52(V)	Receiver-Transmitter

best copy available

NOTE

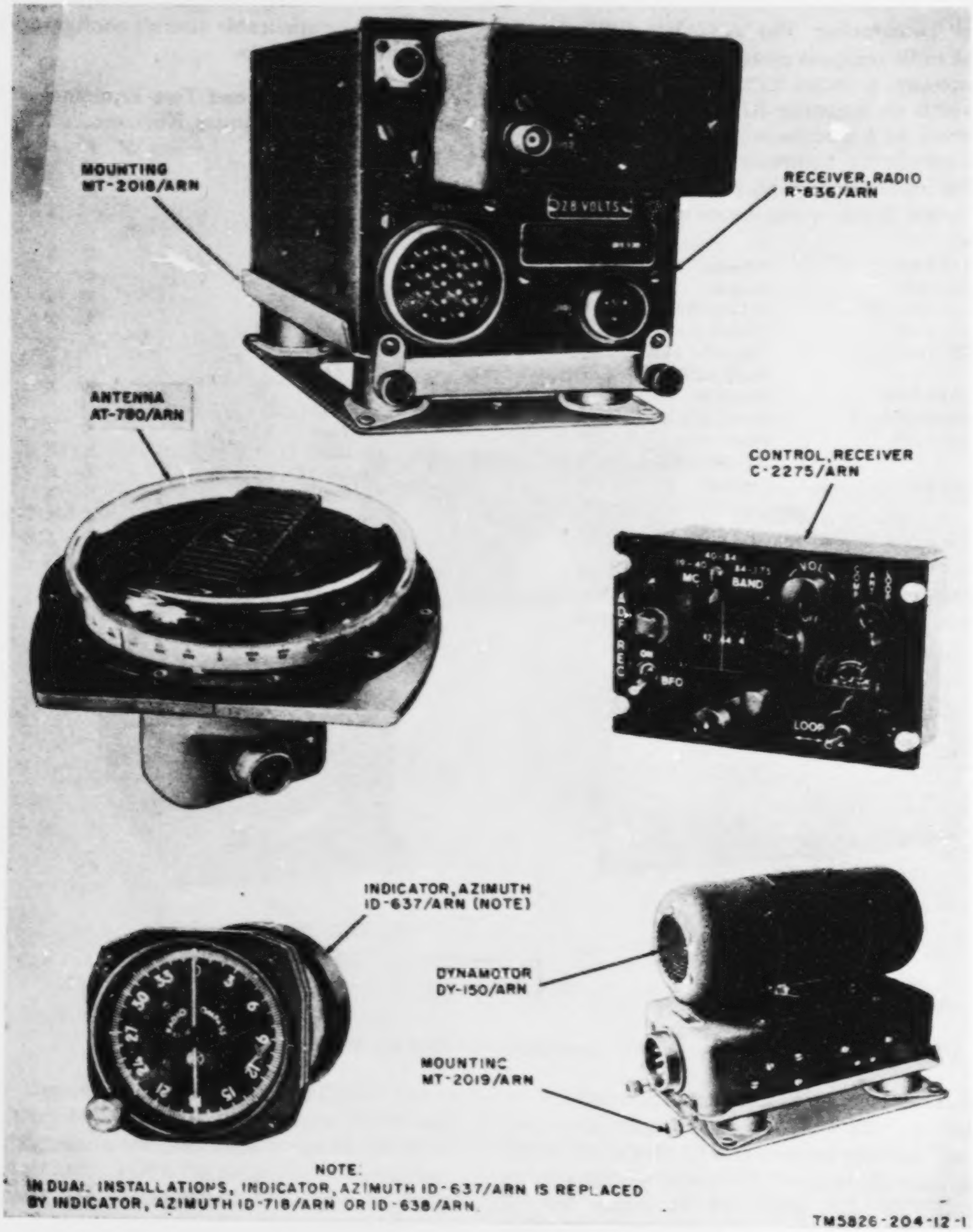
The AN/ARN-52 is used with a variety of other components such as antennas, course and range indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-22A		X	X
AN/ARM-31A		X	X
AN/ARM-84		X	X
AN/PPM-1A			X
AN/URM-64A			X
AN/URM-90			X
AN/URM-101B	X		
AN/URM-105C	X		
AN/ARM-127			X
AN/USM-44A			X
AN/USM-203		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-224			X
AN/USM-281A		X	X
CN-16/U			X
HD-544/ASM		X	X
ME-26D/U		X	X
PP-1104C/G		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-585C/U		X	X
TS-1836B/U			X
TV-7D/U		X	X
UG-274C/U		X	X
UG-528/U		X	X

3. Applicable Publications:

TM 11-5826-235-20
TM 11-5826-235-24P-1
TM 11-5826-235-25-1
TM 11-5826-235-34
TM 11-5826-235-35P
TM 11-5826-235-50


MOUNTING
MT-2018/ARN
RECEIVER, RADIO
R-836/ARN
ANTENNA
AT-780/ARN
CONTROL, RECEIVER
C-2275/ARN
INDICATOR, AZIMUTH
ID-637/ARN (NOTE)
DYNAMOTOR
DY-150/ARN
MOUNTING
MT-2019/ARN
TM5826-204-12-1

NOTE:
IN DUAL INSTALLATIONS, INDICATOR, AZIMUTH ID-637/ARN IS REPLACED BY INDICATOR, AZIMUTH ID-718/ARN OR ID-638/ARN.

Figure 57. AN/ARN-59(V) Direction Finder Set

1. Brief Description: The AN/ARN-59(V) is an airborne radio compass system designed to provide, automatically, a visual indication of the direction from which an incoming RF signal is received. It also serves as a communications receiver for AM signals within the frequency range of 190 to 1750 kHz. The input power requirement is 27.5 volts DC at 2.8 amps. Major components of this set are as follows:

AT-780/ARN	Antenna
C-2275/ARN	Control
CW-444/ARN-59	Radome Kit
DY-150/ARN	Dynbamotor
ID-637/ARN	Azimuth Indicator (used for single ADF installations)
MT-2018/ARN	Mount (R-836/ARN)
MT-2019/ARN	Mount (DY-150/ARN)
PP-4328/ARN	Power Supply (used in lieu of DY-150/ARN)
R-836/ARN	Receiver

NOTE

The AN/ARN-59 is used with a variety of other components such as sense antennas, course and azimuth indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-63		X	X
AN/URM-25D		X	X
AN/URM-79			X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-159		X	
AN/USM-223		X	X
AN/USM-281A		X	X
H-216/U		X	X
ME-26B/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TL-633/U		X	X
TS-585C/U		X	X
TS-723D/U			X
TS-1836B/U		X	X
TV-7D/U		X	X
Stopwatch		X	X

3. Applicable Publications:

TM 11-5826-217-30

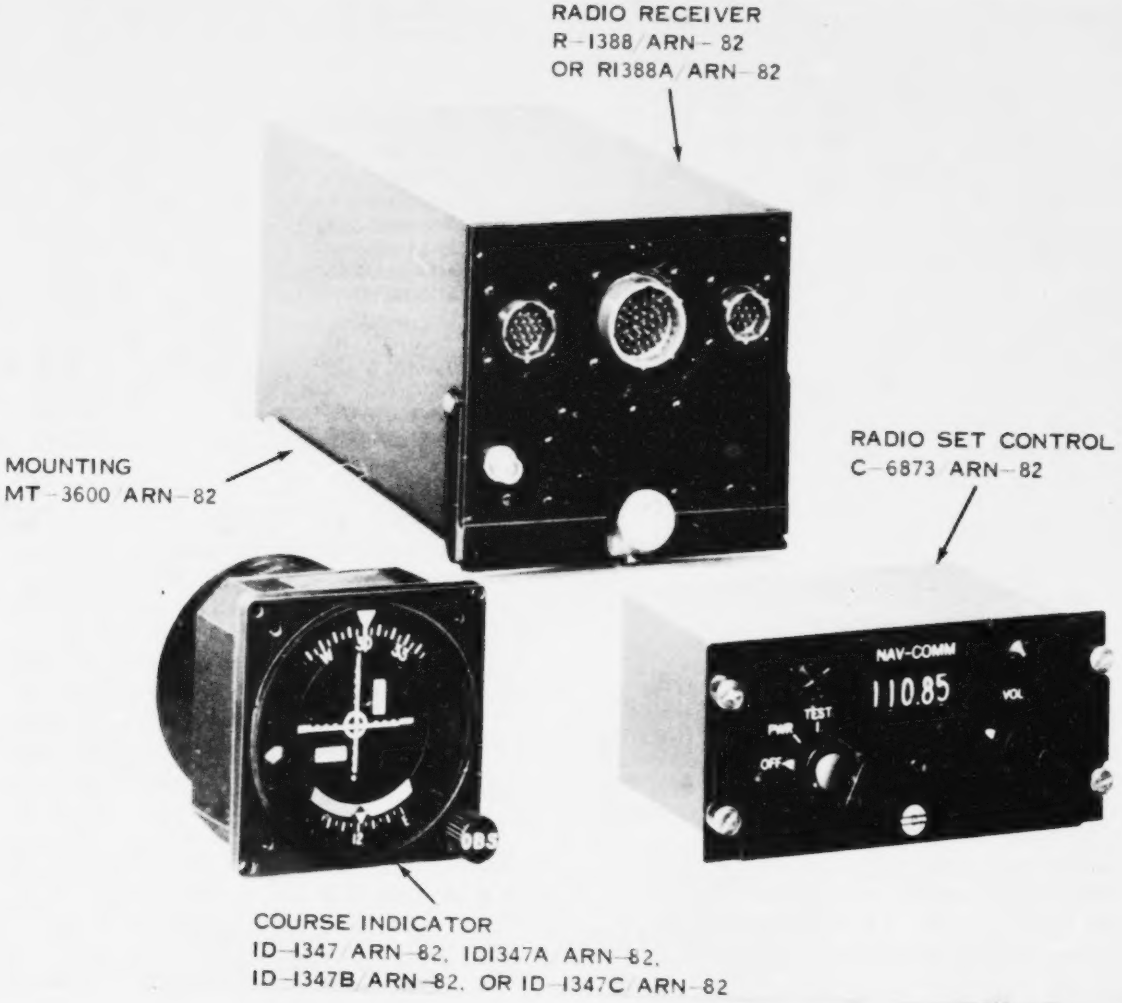

RADIO RECEIVER
R-1388/ARN-82
OR R1388A/ARN-82
MOUNTING
MT-3600/ARN-82
RADIO SET CONTROL
C-6873/ARN-82
NAV-COMM
110.85
VOL
TEST
PWR
OFF
OBS
COURSE INDICATOR
ID-1347/ARN-82, ID1347A/ARN-82,
ID-1347B/ARN-82, OR ID-1347C/ARN-82

Figure 58. AN/ARN-82A Radio Receiving Set

1. **Brief Description**: Radio Set AN/ARN-82( ) receives very high frequency omnirange (VOR) and localizer signals in the frequency range of 108.00 to 117.95 megahertz (MHz) from a ground transmitter. The signals are demodulated and used to drive course selector indicators and radio magnetic indicators. Audio signals may also be received in the communications band from 118.00 to 126.95 MHz. Glide slope information is fed to the course indicator from a separate glide slope receiver which is controlled by the AN/ARN-82( ). The combination of the localizer capability and glide slope capability makes up an instrument landing system (ILS). The frequency range of the AN/ARN-82( ) is 108.00 to 126.95 MHz with 50 kHz channel spacing. The input power requirements are 1.0 amp at 28 volts DC and 6 volt amps at 28 volts AC 400 Hz. The AN/ARN-82A differs from the AN/ARN-82 in that it is not affected by rotor modulation. The AN/ARN-82B differs in that the ILS and DME capability (from associated receivers) has been increased to twice as many channels by changing the channel spacing using the C-6873B/ARN-82 control.

The AN/ARN-82 consists of:
C-6873/ARN-82 .... Control
ID-1347/ARN-82 .... Course Indicator
or
IF-1347C/ARN-82
MT-3600/ARN-82 ...... Mount
R-1388/ARN-82 .... Receiver

The AN/ARN-82A consists of:
C-6873/ARN-82 .... Control
or
C-6873A/ARN-82
ID-1347A/ARN-82...... Course Indicator
or
ID-1347B/ARN-82
or
ID-1347C/ARN-82
MT-3600/ARN-82 ...... Mount
R-1388A/ARN-82....... Receiver

The AN/ARN-82B consists of:
C-6873B/ARN-82....... Control
ID-1347A/ARN-82...... Course Indicator
or
ID-1347B/ARN-82
or
ID-1347C/ARN-82
MT-3600/ARN-82 ...... Mount
R-1388A/RN-82 .... Receiver

NOTE

The ID-1347C/ARN-82 may be used with any model set provided the switch on the back of the indicator is set to the receiver being used.

NOTE

The AN/ARN-82( ) is used with a variety of other components such as antennas, indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-92		X	X
AN/ARM-92A		X	X
AN/ARM-92B		X	X
AM/URM-25D			X
AN/URM-105C	X		
AN/URM-127		X	X
AN/URM-145		X	X
AN/USM-98A			X
AN/USM-207A		X	X
AN/USM-223		X	X
H-216/U		X	X
* MD-83A/ARN		X	X
ME-26D/U		X	X
ME-30A/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-585-C/U			X
TS-723D/U			X
TS-1836B/U		X	X

NOTE

The AN/ARM-92 is used to test the AN/ARN-82 only. The AN/ARM-92A can be used to test both the AN/ARN-82 and AN/ARN-82A sets. The AN/ARM-92B can test the AN/ARN-82, AN/ARN-82A and AN/ARN-82B as well as the AN/ARN-123 and ANARN-82B as well as the AN/ARN-123 and R-1963, described elsewhere in this publication.

3. Applicable Publications:

TM 11-5826-226-20
TM 11-5826-226-20P-1
TM 11-5826-226-34
TM 11-5826-226-34P
TM 11-5826-226-34P-1

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* Planned for replacement by the AN/ARM-180

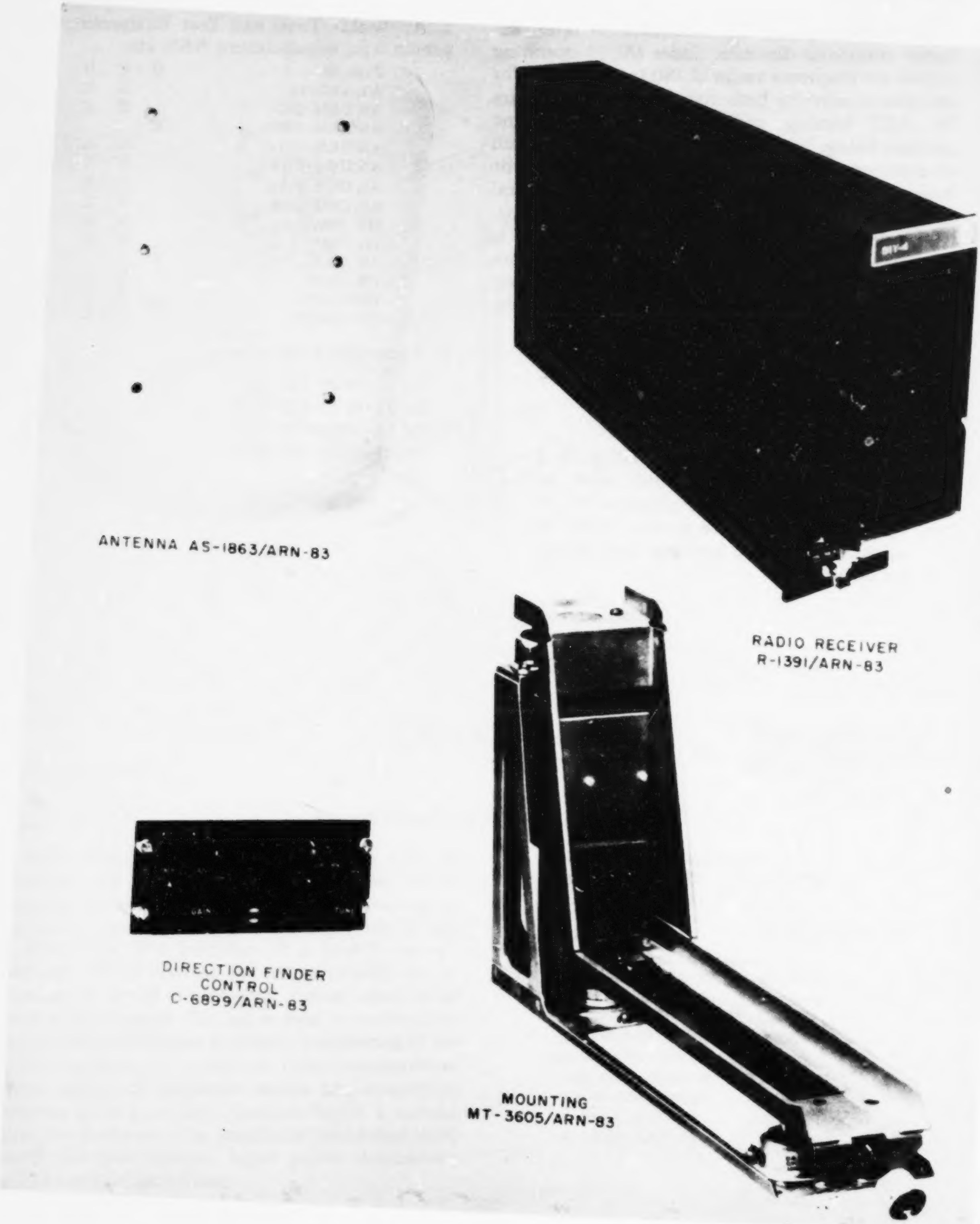
ANTENNA AS-1863/ARN-83
RADIO RECEIVER
R-1391/ARN-83
DIRECTION FINDER
CONTROL
C-6899/ARN-83
MOUNTING
MT-3605/ARN-83

Figure 59. AN/ARN-83 Direction Finder Set

1. Brief Description: The AN/ARN-83 is an airborne automatic direction finder (ADF) operating within the frequency range of 190 to 1750 kHz. The equipment provides both visual and aural facilities for ADF homing, radio range navigation and position fixing. It is used as a navigational radio aid to continuously and visually indicate the magnetic bearing of a radio station while providing aural reception of audio transmission from the station. The azimuth or bearing of a radio station is displayed on the aircraft radio magnetic indicators or other synchro-type bearing indicators. The input power requirement is 27.5 volts DC at 1.0 amp. Major components of the set are as follows:

AS-1863/ARN-83	Antenna
C-6899/ARN-83	Control
MT-3605/ARN-83	Mount
R-1391/ARN-83	Receiver

NOTE

The AN/ARN-83 is used with a variety of other components such as sense antennas, course indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARN-93		X	X
AN/URM-25D		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
ME-26D/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-617C/U		X	X
TS-1836B/U		X	X

3. Applicable Publications:

TM 11-5826-225-12
TM 11-5826-225-20P
TM 11-5826-225-34P
TM 11-5826-225-35

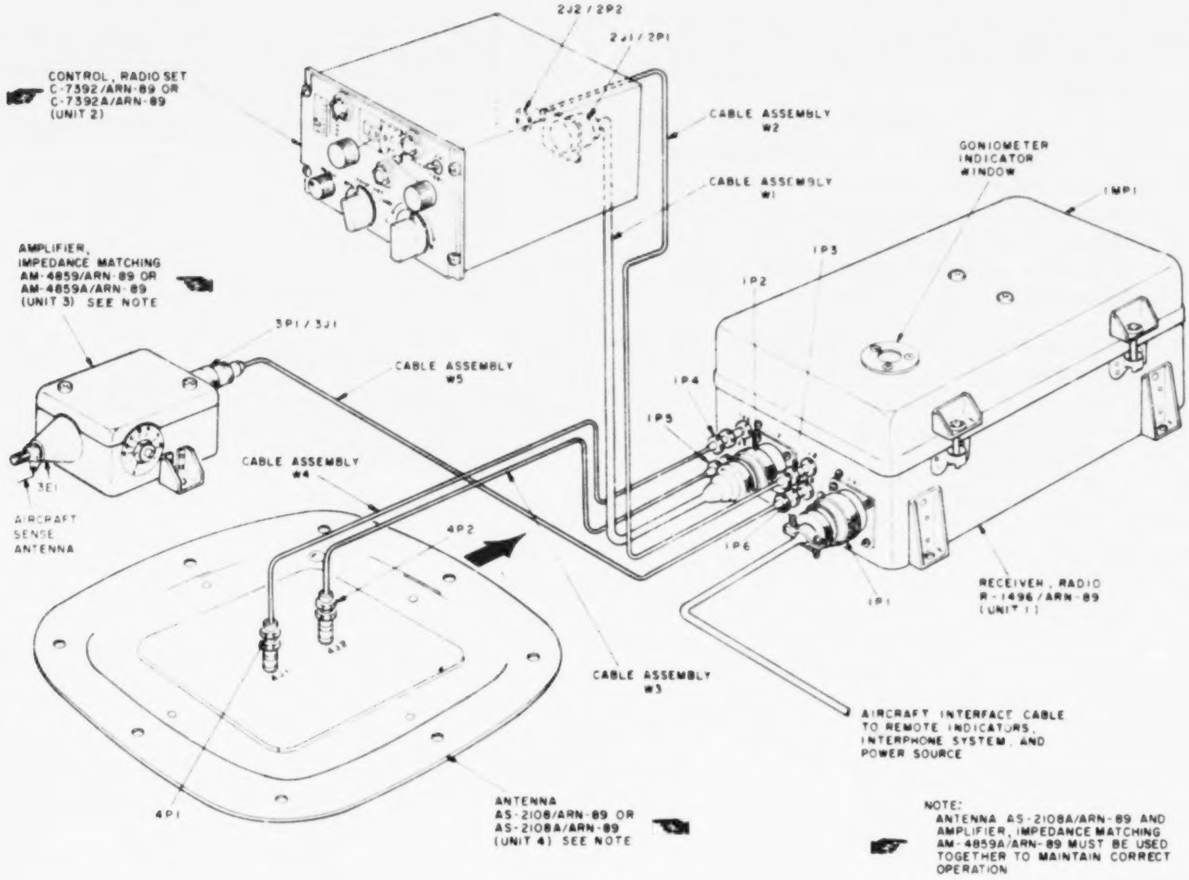
2J2 / 2P2
2J1 / 2P1
CONTROL, RADIO SET
C-7392/ARN-89 OR
C-7392A/ARN-89
(UNIT 2)
CABLE ASSEMBLY
W2
CABLE ASSEMBLY
W1
GONIOMETER
INDICATOR
WINDOW
1MP1
AMPLIFIER,
IMPEDANCE MATCHING
AM-4859/ARN-89 OR
AM-4859A/ARN-89
(UNIT 3) SEE NOTE
1P3
1P2
3P1 / 3J1
CABLE ASSEMBLY
W5
1P4
1P5
CABLE ASSEMBLY
W4
3E1
AIRCRAFT
SENSE
ANTENNA
4P2
1P6
1P1
RECEIVER, RADIO
R-1496/ARN-89
(UNIT 1)
4J1
4J2
CABLE ASSEMBLY
W3
AIRCRAFT INTERFACE CABLE
TO REMOTE INDICATORS,
INTERPHONE SYSTEM, AND
POWER SOURCE
4P1
ANTENNA
AS-2108/ARN-89 OR
AS-2108A/ARN-89
(UNIT 4) SEE NOTE
NOTE:
ANTENNA AS-2108A/ARN-89 AND
AMPLIFIER, IMPEDANCE MATCHING
AM-4859A/ARN-89 MUST BE USED
TOGETHER TO MAINTAIN CORRECT
OPERATION

Figure 60. AN/ARN-89A Direction Finder Set

1. Brief Description: The AN/ARN-89( ) is an airborne, low frequency direction finder which provides automatic or manual compass bearing on any radio signal within the frequency range of 100 to 3000 kHz. The inclusion of a beat frequency oscillator (BFO) enables the set to provide an indication of keyed or constant carrier continuous wave (CW) stations. The set is used in conjunction with a remote indicator to display the bearing of the aircraft relative to a selected radio transmission. Three modes of operation enable the system to function as an automatic direction finder, a manual direction finder or as an amplitude-modulated (AM) communication receiver. Input power requirement is 27.5 volts DC at 1.4 amp.

The AN/ARN-89 consists of:

AN-4859/ARN-89	Amplifier
AS-2108/ARN-89	Antenna
C-7392/ARN-89	Control
R-1496/ARN-89	Receiver

The AN/ARN-89A consists of:

AM-4859A/ARN-89	Amplifier
AS-2108A/ARN-89	Antenna
C-7392A/ARN-89	Control
R-1496/ARN-89	Receiver

The AN/ARN-89B consists of:

AM-4859A/ARN-89	Amplifier
AS-2108A/ARN-89	Antenna
C-7392A/ARN-89	Control
R-1496A/ARN-89	Receiver

NOTE

For optimum performance, components of each model should be used together as a system.

NOTE

The AN/ARN-89( ) is used with a variety of other components such as sense antennas, course indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-25D		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/URM-145		X	X
AN/USM-98A		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
H-157/AIC		X	X
ME-26D/U		X	X
ME-30A/U		X	X
MK-994/AR		X	X
MK-F1191/AR			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-5826-227-20
TM 11-5826-227-227-24P
TM 11-5826-227-34

(Illustration not available)

Figure 61. AN/ARN-102 TACAN Navigation Set

1. Brief Description: The AN/ARN-102 TACAN is installed in RU-21A, B and C aircraft and interfaces with the AN/ASN-86 Inertial Navigation System. Further details are not available.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 32-5841-200-20

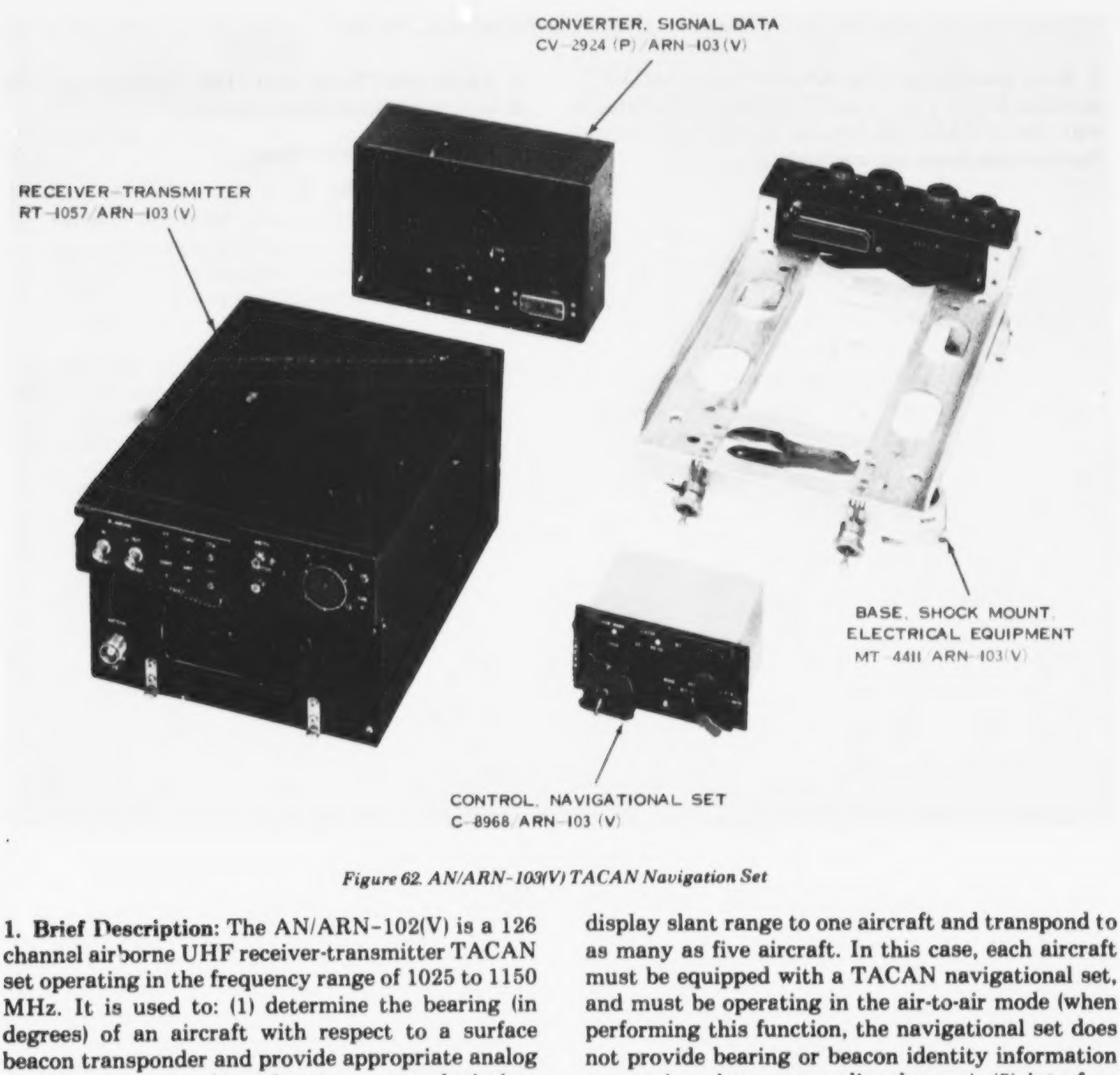

Figure 62. AN/ARN-103(V) TACAN Navigation Set

1. Brief Description: The AN/ARN-102(V) is a 126 channel airborne UHF receiver-transmitter TACAN set operating in the frequency range of 1025 to 1150 MHz. It is used to: (1) determine the bearing (in degrees) of an aircraft with respect to a surface beacon transponder and provide appropriate analog output signals to indicate bearing, course deviation, and to-from indications on the bearing-distance-heading and horizontal situation indicators in the aircraft; (2) determine the slant range from an aircraft to a surface beacon transponder and provide appropriate analog output signals to cause the distance in nautical miles to be displayed on the bearing-distance-heading and horizontal situation indicators; (3) receive and detect coded identification signals from the surface beacon transponder, and decode and convert these signals into an audio Morse code signal for use by the pilot in determining beacon identity; (4) determine and display slant range to one aircraft and transpond to as many as five aircraft. In this case, each aircraft must be equipped with a TACAN navigational set, and must be operating in the air-to-air mode (when performing this function, the navigational set does not provide bearing or beacon identity information concerning the transponding beacon); (5) interface with an external digital computer which can automatically control TACAN channel and mode of operation, and request and receiver TACAN digital range, bearing, and channel/mode data. The AN/ARN-103 consists of two configurations which denote variations in the functions of the CV-2924 Converter. In the AN/ARN-103(V)1 configuration, the converter has the capability to interface with an external computer in the AN/ASN-86 Inertial Navigation Set. In the AN/ARN-103(V)2 configuration, the converter will not interface with the AN/ASN-86. A reversible nameplate is installed on the CV–2924 converter to inform the user whether or not it will interface with the AN/ASN–86. Power input requirements are 115 volts AC, 40 Hz, single phase at 375 watts, 26 volts DC at 62 watts. Major components of the set are as follows:

C–8968/ARN–103(V) . . . . Navigational Control
CV–2924(P)/ARN–103(V) . . . . Signal Data Converter
MT–4411/ARN–103(V) . . . . . Mounting
RT–1057/ARN–103(V) . . . . . . Receiver-Transmitter

NOTE

> The AN/ARN–103 is used with a variety of other components such as antennas, course and range indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM–156			X
AN/USM–281A			X
H–104/G			X
ID–387/ARN			X
ME–26D/U			X
TK–100/G			X
TK–101/G	X		
TK–105/G			X
TS–3134/ARN–103			X

3. Applicable Publications:

TM 11–5826–243–20
TM 11–5826–243–20P
TM 11–5826–243–34
TM 11–5826–243–34P

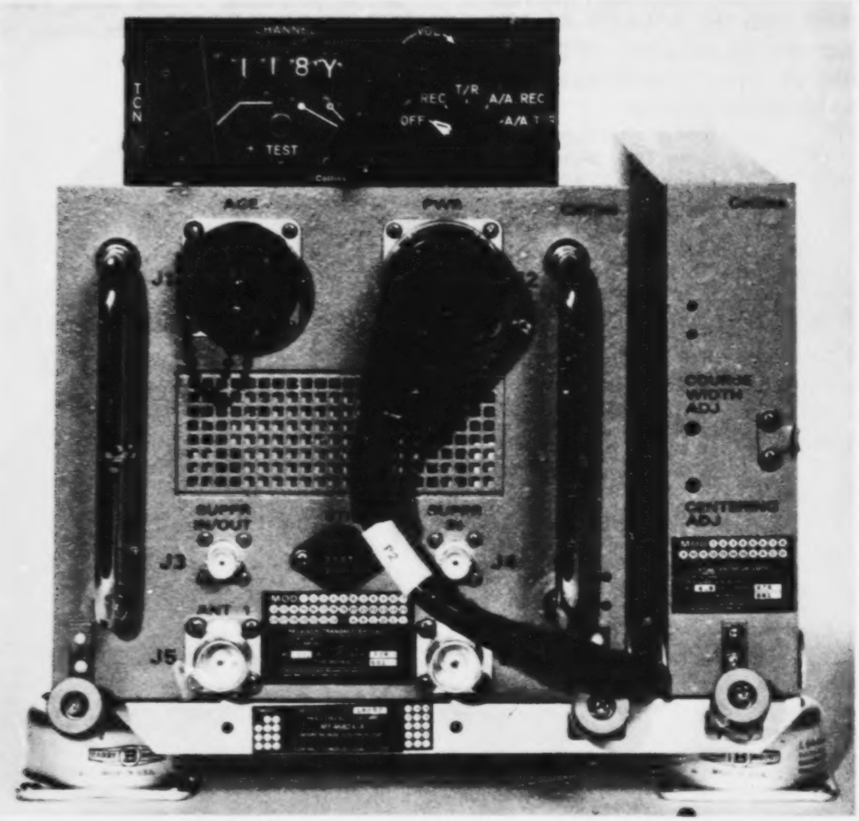

Figure 63. AN/ARN-118 TACAN Navigation Set

1. Brief Description: The AN/ARN-118 is a major component of the AN/ASN-132 Integrated Inertial Navigation System (IINS). The position error of an inertial navigation system increases with time; therefore, a position reference sensor is used to update the inertial data, and thereby bound the time-growing position error. The IINS derives position updates from the TACAN range and bearing measurements. The TACAN determines the relative relative bearing of the aircraft from a selected TACAN around station and determines the distance or range of the station. The TACAN operates within 390 nautical miles of a TACAN ground station. Since the TACAN system operating limit is line of sight, the actual operating range is dependent on aircraft altitude. The TACAN system operates on a selected channel from 252 available channels. The 252 channels are equally divided into 126 x-channels and 126 y-channels with both x-and y-channels spaced at 1 MHz intervals. Upon being interrogated by the AN/ARN-118, the ground station beacon transmits a signal. From this signal, the AN/ ARN-118 computes the values of bearing and distance for updating the inertial system information. The TACAN RT outputs are processed by the signal data converter for compatibility with the multiplex data buses. The TACAN RT also produces and transmits distance information when interrogated in the air-to-air operation by another TACAN equiped aircraft; however, this air-to-air mode precludes using the TACAN information to update the IINS. Major components of the AN/ARN-118 are:

MT-4915/A	Mount
RT-1159/A	Receiver-Transmitter

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

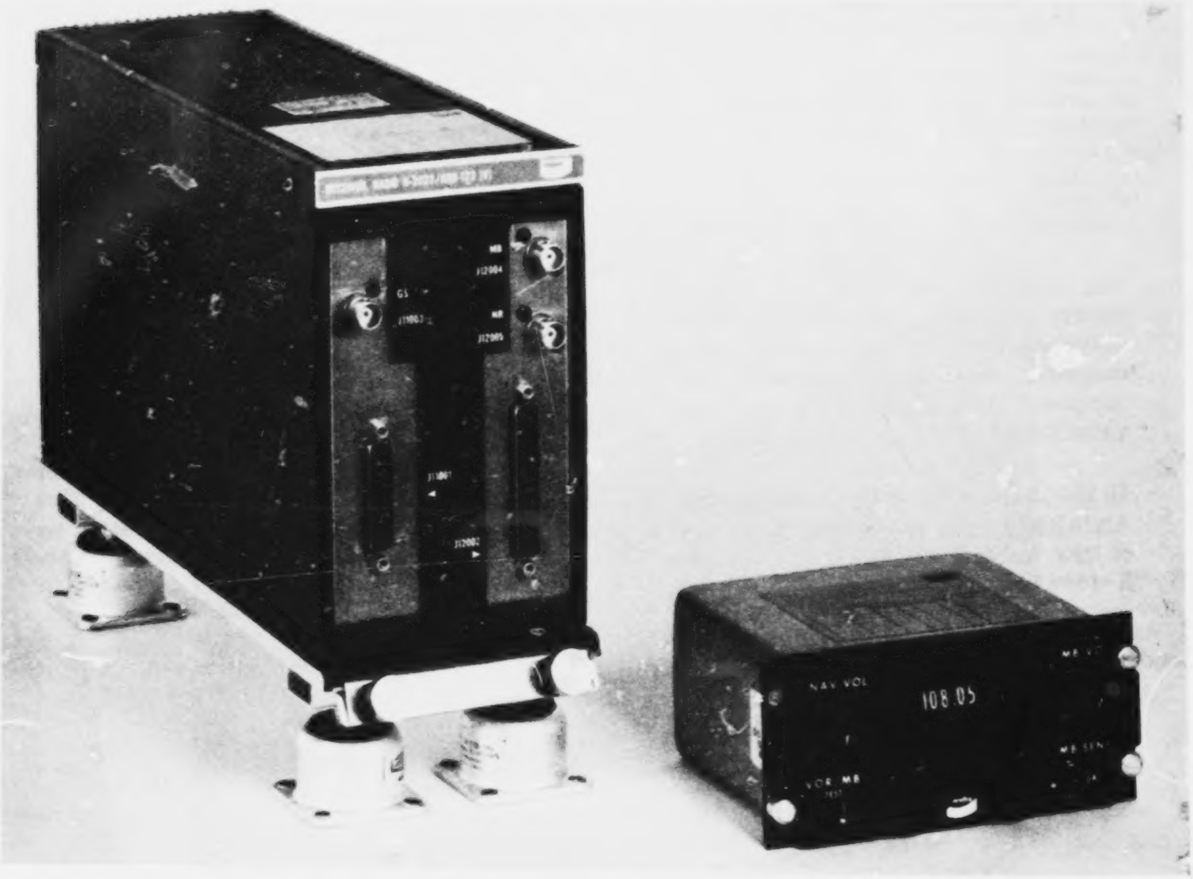

Figure 64. AN/ARN-123(V)1 Radio Receiving Set

1. Brief Description: Radio Receiving Set AN/ARN-123(V) receives automatic VHF omnirange (VOR) bearing, marker beacon (MB) position, localizer (LOC) and glideslope (GS) information for enroute and terminal navigation and instrument landing system (ILS) approach and landing. The 200 channel VOR/LOC receiver section processes VOR and localizer signals over the frequency range of 108.00 to 117.95 MHz with a channel spacing of 50 kHz. It provides outputs for driving the vertical needle of a course deviation indicator, radio magnetic indicators and an audible identification of the complementary ground beacon. The 40 channel GS receiver section processes glideslope signals over the frequency range of 329.15 to 335.00 MHz with a channel spacing of 150 MHz. It provides outputs for driving the horizontal needle of a course deviation indicator. The marker beacon receiver processes 75 MHz marker beacon signals and converts them into an output that drives a single marker beacon lamp system (or optional 3 lamp system) and provides audible beacon identification. The input power requirements are 28 volts DC and 26 volts AC, 400 Hz. The following three configurations of the AN/ARN-123(V) are used by the Army:

AN/ARN-123(V)1:	
C-10048/ARN-123(V)	Control (Red Lighting)
MT-4834/ARN-123(V)	Mount
R-2023/ARN-123(V)	Receiver
AN/ARN-123(V)3:	
C-10048/ARN-123(V)	Control
MT-4980/ARN-123(V)	Mount (Low Profile)
R-2023/ARN-123(V)	Receiver
AN/ARN-123(V)4:	
C-10048/ARN-123(V)	Control
MT-4834/ARN-123(V)	Mount
R-2139/ARN-123(V)	Receiver

NOTE

The AN/ARN-123(V) is used with a variety of other components such as antennas, course indicators, radio magnetic indicators, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

NOTE

If ID-1347C/ARN-82 is used with the AN/ARN-123(V), the switch on the back of the indicator must be set to the R-1388A/ARN-82 position.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
* AN/ARM-5		X	X
* AN/ARM-69		X	X
AN/ARM-92B		X	X
AN/URM-127		X	X
AN/USM-44B		X	X
AN/USM-207		X	X
AN/USM-223		X	X
** BC-376	X		
* MD-83A/ARN		X	X
* SG-1A/ARN		X	X
** SG-13/ARN	X		
TK-100/G		X	X
TK-101/G	X		
TS-585		X	X

NOTE

The AN/ARN-123(V) and all of its components are warranted by the manufacturer under a long term Reliabitity Improvement Warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

SB 11-641
TM 11-5826-258-20P
TM 11--5826-258-24

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* Planned for replacement by the AN/ARM-180
** Planned for replacement by the AN/ARM-186

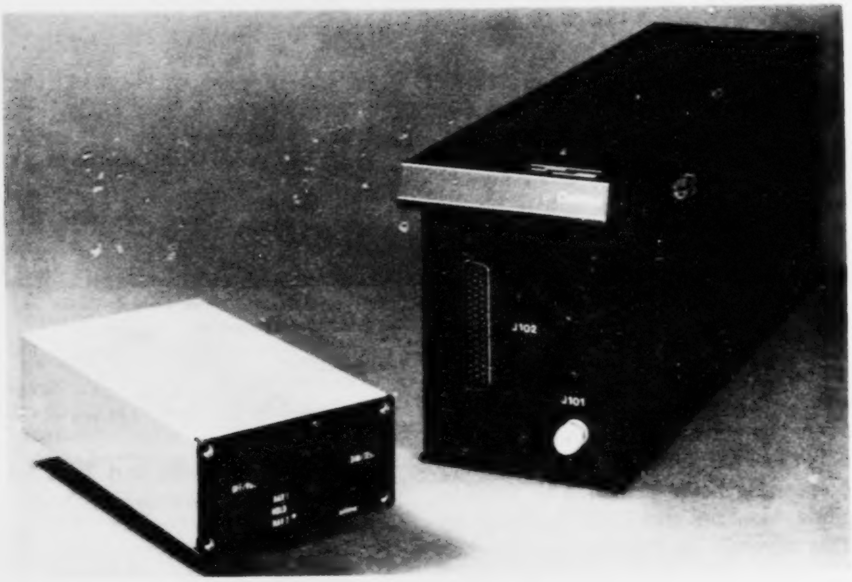

Figure 65. AN/ARN-124 DME Set

1. Brief Description: The AN/ARN-124 will provide the slant distance from the aircraft to the ground station to which it is tuned. It has 200 channels covering a frequency range of 962–1213 MHz and is remotely tuned by the control of a VOR set which automatically selects the proper VOR/DME channel frequency pairings required for en route navigation and ILS approaches. The AN/ARN-124 contains a time totalizing meter and an in-flight, self-test function to check ranging circuits for distance accuracy by displaying a predetermined distance readout. Major components are:

ID-2192/ARN-124	Control-Indicator
MT-6034/ARN-124	Mount
RT-1294/ARN-124	Receiver-Transmitter

NOTE

The AN/ARN-124 is used with a variety of other components such as antennas, indicators, etc., to operate a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/URM-195C	X	
TK-101/G	X	

NOTE

The AN/ARN-124 is warranted by the manufacturer under a long term Reliability Improvement Warranty. During the warranty period, no repair is authorized at any echelon of maintenance, and care should be taken not to break or tamper with warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

SB 11-645
TM 11-5826-300-20

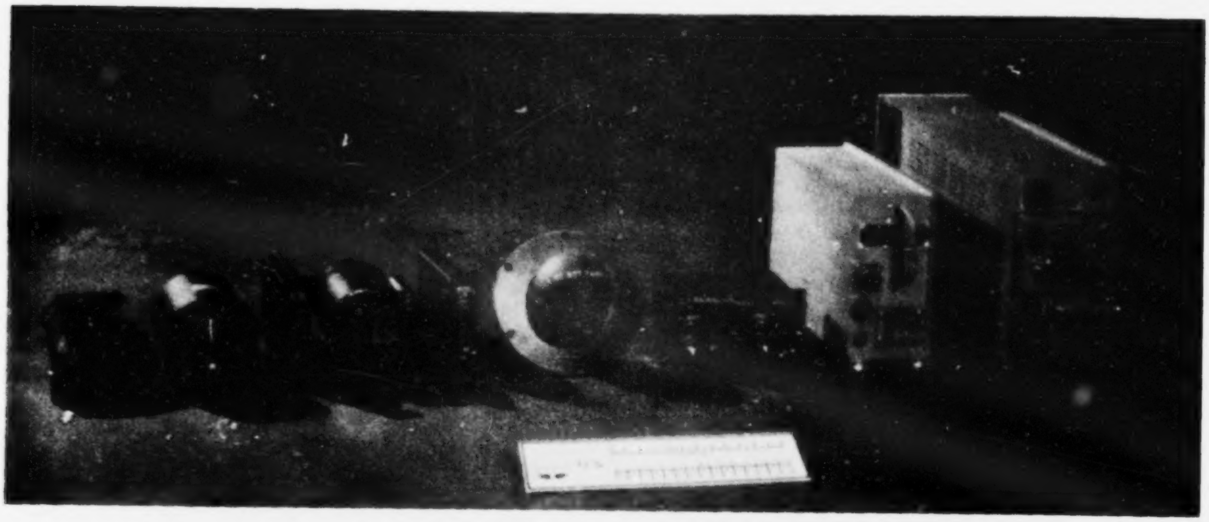

Figure 66. AN/ARQ-31 Tactical Landing System

1. Brief Description: The AN/ARQ-31 comprises the airborne component of the Tactical Landing System (TLS). The ground component is the AN/TRQ-33. The TLS is a microwave landing system which operates on the scanning beam principle to provide accurate glide slope, localizer and DME guidance to all types of Army aircraft in making landing approaches under instrument conditions. The AN/ARQ-31 operates in the 15 GHz range and requires 28 volts at 175 watts. Major components are:

AS-2935/AR-31	Antenna
C-9431/ARQ-31	Control
ID-1927/ARQ-31	Height Indicator
ID-1928/ARQ-31	Short Range Indicator
ID-1929/ARQ-31	Long Range Indicator
ID-1930/ARQ-31	Range Rate Indicator
R-1868/ARQ-31	Decoder-Receiver
T-1261/ARQ-31	DME Transmitter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
TS-3379/ARQ-31			X
TS-3380/ARQ-31			X

NOTE

Other tool and test equipment requirements were not defined at the time of this printing.

3. Applicable Publications:

TM 11-5826-253 Series (To be Published).

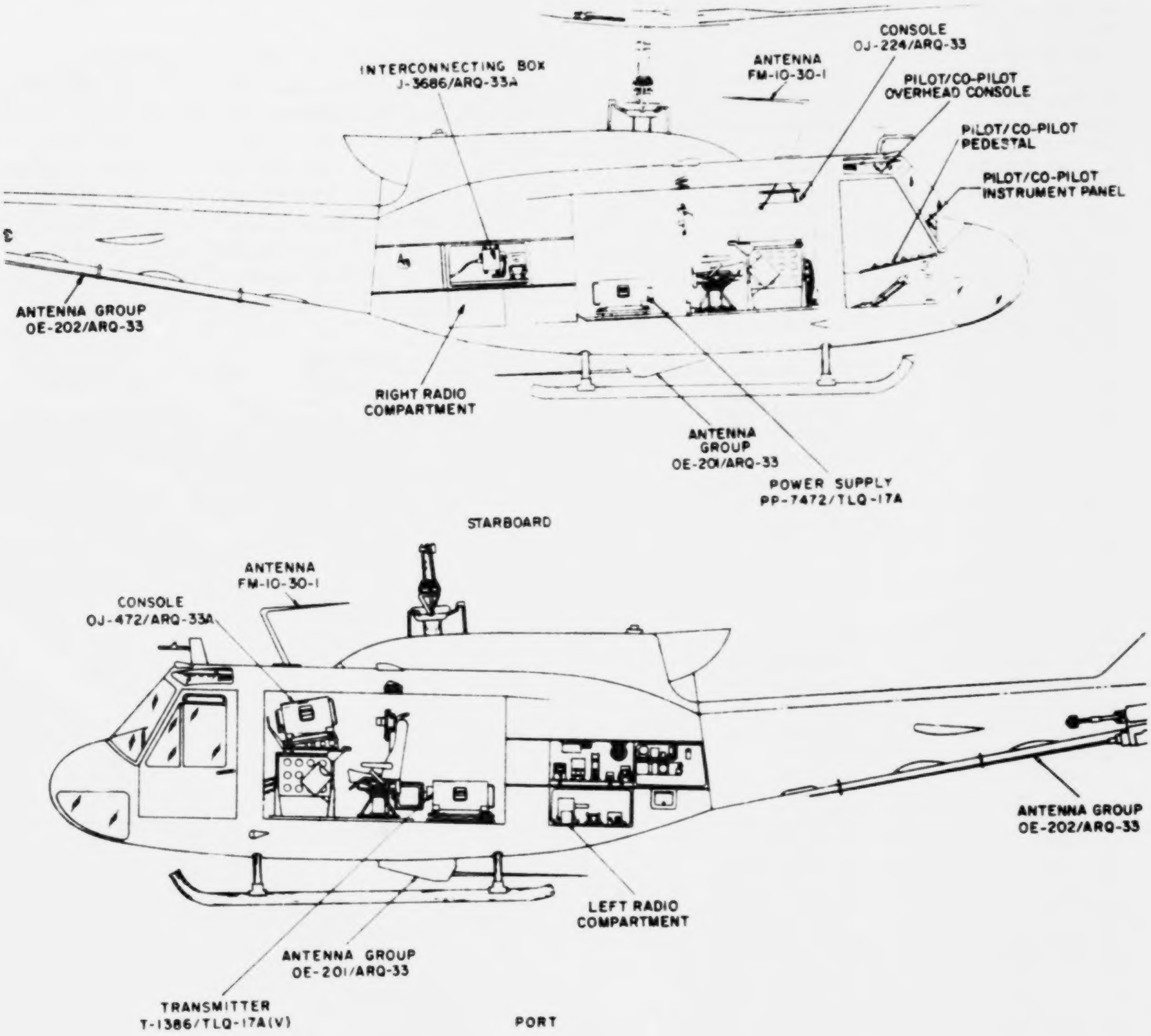
INTERCONNECTING BOX
J-3686/ARQ-33A
ANTENNA
FM-10-30-1
CONSOLE
OJ-224/ARQ-33
PILOT/CO-PILOT
OVERHEAD CONSOLE
PILOT/CO-PILOT
PEDESTAL
PILOT/CO-PILOT
INSTRUMENT PANEL
ANTENNA GROUP
OE-202/ARQ-33
RIGHT RADIO
COMPARTMENT
ANTENNA
GROUP
OE-201/ARQ-33
POWER SUPPLY
PP-7472/TLQ-17A
STARBOARD
ANTENNA
FM-10-30-1
CONSOLE
OJ-472/ARQ-33A
ANTENNA GROUP
OE-202/ARQ-33
LEFT RADIO
COMPARTMENT
ANTENNA GROUP
OE-201/ARQ-33
TRANSMITTER
T-1386/TLQ-17A(V)
PORT

Figure 67. AN/ARQ-33A Countermeasures System

1. Brief Description: The AN/ARQ-33( ) Countermeasures System is a part of the Quick Fix I program. It is an airborne search and countermeasures system which has the capability to receive AM, CW and FM signals and to initiate countermeasures action against the emitter. The AN/ARQ-33 is installed in EH-1H Phase 1A aircraft while the AN/ARQ-33A is installed in Phase 1B aircraft. Major components of both systems are:

		AN/ARQ-33	AN/ARQ-33A
AB-1264/ARQ-33	Base		1
AN/APN-171A(V)1	Radar Altimeter Set	1	1
AN/ARC-131	VHF-FM Radio Set	1	1
AN/GLR-9(V)11	Receiving Set	2	1
AN/TLQ-17A(V)2	Countermeasures Set		1
AN/TLQ-27A	Countermeasures Set	1	
AN/UNH-16A	Recorder/Reproducer	2	2
AS-1703/AR	Antenna	1	1
AS-2756/TLQ-27	Antenna	1	
AS-3381/ARQ-33	Antenna		1
C-1611D/AIC	Intercomm Set	3	2
C-8157/ARC	Control-Indicator	1	1
C-8882/ARQ-33	Control-Indicator	1	1
C-8883/ARQ-33	Control-Indicator	1	1
C-8886/ARQ-33	Control-Indicator	1	
C-8983/ARQ-33	Control-Indicator	1	1
CU-2013/UR	Antenna Coupler	1	
CU-2027/TLQ-27	Antenna Coupler	1	
CU-2245/ARQ-33	Antenna Coupler		1
ID-1825/ARQ-33	Indicator Paneg	1	1
ID-1826/ARQ-33	Indicator Panel	1	
J-3038/ARQ-33	Interconnecting Box	1	1
J-3039/ARQ-33	Interconnecting Box	1	
J-3054/ARQ-33	Interconnecting Box	1	1
J-3686/ARQ-33A	Interconnecting Box		1
MT-3802/ARC	Mount	1	1
MT-4424/ARQ-33	Rack	1	
MT-4425/ARQ-33	Rack	1	
MT-4426/ARQ-33	Rack	1	
MT-4723/ARQ-33	Mounting Plate	1	
MT-4724/ARQ-33	Mounting Plate	1	
MT-4725/ARQ-33	Mounting Plate	1	
OJ-223/ARQ-33	Console	1	
OJ-224/ARQ-33	Console	1	
OJ-224A/ARQ-33	Console		1
OJ-226/ARQ-33	Console	1	
OJ-472/ARQ-33A	Console		1
PU-543/A	Inverter	1	
PU-545/A	Inverter	1	
RE-1078/ARQ-33	Relay Assembly	1	1
RE-1102/ARQ-33	Relay Assembly	1	
RE-1104/ARQ-33	Relay Assembly	1	
RE-1124/ARQ-33	Relay Assembly	1	1
SA-1823/ARQ-33	Switch Assembly	1	1
SA-1843/ARQ-33	Switch Assembly	1	
SA-1862/ARQ-33	Foot Switch	1	2
SA-1863/ARQ-33	Foot Switch	1	
SA-2286/ARQ-33A	Switch Assembly		1
FM 10-30-1	Antenna	1	1

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-5895-776-13-1
TM 11-5895-776-23P-1
TM 11-5895-776-23P-2

(Illustration not available)

Figure 68. AN/ART-41A Radio Transmitting Set

1. Brief Description: The AN/ART-41A and the AN/AAS-14 ( ) comprise the airborne equipments of the AN/UAS-4A and are installed in OV-1C Mohawk aircraft. The AN/ART-41A is used to telemeter information, which is gathered and processed by the AN/AAS-14( ), to the ground component of the AN/UAS-4A. The AN/ART-41A operates in the 215 to 260 MHz range with a power output of 35 to 50 watts. Input power requirement is 115 volts, 400 Hz, 1.0 ampere. Major components of the AN/ART-41A are as follows:

AN/ART-41A	Transmitter
MT-2530/A	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-94		X	X
AN/UAM-11		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-207A		X	X
ME-26D/U		X	X
MX-7270/UAS-4		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TK-191/UAS-4A		X	X
TS-723D/U		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5850-218-12
TM 11-5850-218-20P
TM 11-5850-218-35
TM 11-5850-218-35P

		AN/ARQ-33	*AN/ARQ-33A*
AB-1264/ARQ-33	Base		1
AN/APN-171A(V)1	Radar Altimeter Set	1	1
AN/ARC-131	VHF-FM Radio Set	1	1
AN/GLR-9(V)11	Receiving Set	2	1
AN/TLQ-17A(V)2	Countermeasures Set		1
AN/TLQ-27A	Countermeasures Set	1	
AN/UNH-16A	Recorder/Reproducer	2	2
AS-1703/AR	Antenna	1	1
AS-2756/TLQ-27	Antenna	1	
AS-3381/ARQ-33	Antenna		1
C-1611D/AIC	Intercomm Set	3	2
C-8157/ARC	Control-Indicator	1	1
C-8882/ARQ-33	Control-Indicator	1	1
C-8883/ARQ-33	Control-Indicator	1	1
C-8886/ARQ-33	Control-Indicator	1	
C-8983/ARQ-33	Control-Indicator	1	1
CU-2013/UR	Antenna Coupler	1	
CU-2027/TLQ-27	Antenna Coupler	1	
CU-2245/ARQ-33	Antenna Coupler		1
ID-1825/ARQ-33	Indicator Paneg	1	1
ID-1826/ARQ-33	Indicator Panel	1	
J-3038/ARQ-33	Interconnecting Box	1	1
J-3039/ARQ-33	Interconnecting Box	1	
J-3054/ARQ-33	Interconnecting Box	1	1
J-3686/ARQ-33A	Interconnecting Box		1
MT-3802/ARC	Mount	1	1
MT-4424/ARQ-33	Rack	1	
MT-4425/ARQ-33	Rack	1	
MT-4426/ARQ-33	Rack	1	
MT-4723/ARQ-33	Mounting Plate	1	
MT-4724/ARQ-33	Mounting Plate	1	
MT-4725/ARQ-33	Mounting Plate	1	
OJ-223/ARQ-33	Console	1	
OJ-224/ARQ-33	Console	1	
OJ-224A/ARQ-33	Console		1
OJ-226/ARQ-33	Console	1	
OJ-472/ARQ-33A	Console		1
PU-543/A	Inverter	1	
PU-545/A	Inverter	1	
RE-1078/ARQ-33	Relay Assembly	1	1
RE-1102/ARQ-33	Relay Assembly	1	
RE-1104/ARQ-33	Relay Assembly	1	
RE-1124/ARQ-33	Relay Assembly	1	1
SA-1823/ARQ-33	Switch Assembly	1	1
SA-1843/ARQ-33	Switch Assembly	1	
SA-1862/ARQ-33	Foot Switch	1	2
SA-1863/ARQ-33	Foot Switch	1	
SA-2286/ARQ-33A	Switch Assembly		1
FM 10-30-1	Antenna	1	1

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-5895-776-13-1
TM 11-5895-776-23P-1
TM 11-5895-776-23P-2

(Illustration not available)

Figure 68. AN/ART-41A Radio Transmitting Set

1. Brief Description: The AN/ART-41A and the AN/AAS-14 ( ) comprise the airborne equipments of the AN/UAS-4A and are installed in OV-1C Mohawk aircraft. The AN/ART-41A is used to telemeter information, which is gathered and processed by the AN/AAS-14( ), to the ground component of the AN/UAS-4A. The AN/ART-41A operates in the 215 to 260 MHz range with a power output of 35 to 50 watts. Input power requirement is 115 volts, 400 Hz, 1.0 ampere. Major components of the AN/ART-41A are as follows:

AN/ART-41A	Transmitter
MT-2530/A	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-94		X	X
AN/UAM-11		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-207A		X	X
ME-26D/U		X	X
MX-7270/UAS-4		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TK-191/UAS-4A		X	X
TS-723D/U		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5850-218-12
TM 11-5850-218-20P
TM 11-5850-218-35
TM 11-5850-218-35P

(Illustration not available)

Figure 69. AN/ARW-83(V)4 Remote Radio Receiving Set

1. Brief Description: The AN/ARW-83(V)4 Remote Radio Receiving Set is installed in the RU-21H aircraft as part of the Guardrail V system. It is basically an airborne relay facility used to collect certain VHF and UHF radio signals and make line-of-bearing (LOB) measurements. This data is transmitted to a ground facility for use in calculating unknown transmitter locations. The signal collection and direction finding function of the AN/ARW-83 is remotely controlled by the manned ground-based facility.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-163(V)3	X		
AN/URM-120		X	
AN/URM-127A		X	X
AN/USM-207A	X		
AN/USM-223	X	X	
AN/USM-281C	X	X	X
IP-1216(P)/GR	X		
ME-496/U	X	X	X
MK-1899/G		X	
OP-126/G		X	
PL-1373/U	X		
PL-1388/U	X		
PL-1406/U	X		
SG-1094/U	X		
SG-1112(V)1/U	X	X	
SG-1125/U	X		
SM-763/ARM-185	X	X	
TD-1160(P)/U	X		
TK-105/G	X	X	X
TS-3790/U	X	X	X
010-6101-01	X	X	X
6200B		X	
8405	X	X	
9580		X	

3. Applicable Publications:

TM 11-5821-315-13

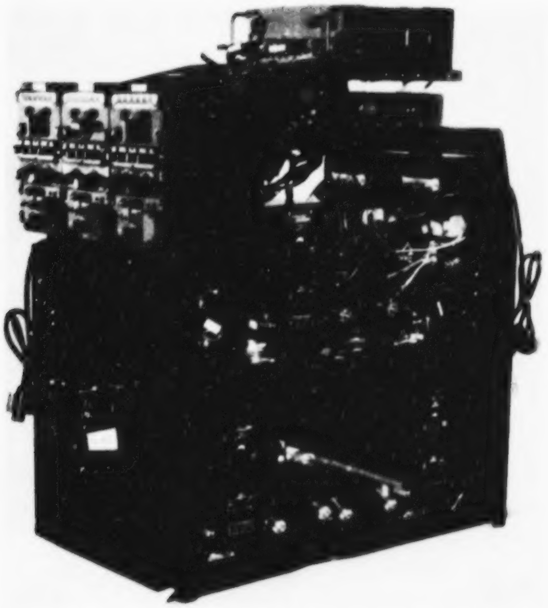

Figure 70. AN/ASC-15 Communications Central

1. Brief Description: The AN/ASC-15( ) is a system of radio sets, intercoms and crypto equipment assembled in a console and palletized to enable installation in an aircraft. It is used to provide tactical commanders with air-to-ground command and control communications. The AN/ASC-15A has the additional capability of providing an airborne ground-air-ground automatic secure retransmission net. The system provides six intercom stations, three of which have control of three VHF-FM radios or two VHF-FM radios and one UHF-AM radio (or VHF-AM radio in AN/ASC-15). The VHF-FM radios can be encrypted when used with the KY-28 security equipment. A kit which includes necessary antennas, cables, hardware, etc., is required for installation of the AN/ASC-15( ) in an aircraft. Major components of the various models of the AN/ASC-15( ) are:

		AN/ASC-15	*AN/ASC-15A(V)1*	*AN/ASC-15A(V)2*
AN/ARC-51BX	UHF-AM Radio Set	1		1
AN/ARC-73	VHF-AM Radio Set	1		
AN/ARC-131	VHF-FM Radio Set	3	3	2
C-1611/AIC	Intercom Set	6	6	6
C-8157/ARC	Control-Indicator	3	3	2
H-101/U	Headset-Microphone	4		
H-157/AIC	Headset-Microphone		4	4
HYL-3/TSEC	Regenerative-Repeater		1	1
RT-1167/ARC-164	UHF-AM Radio Set		1	1
TSEC/KY-28	Com Security Set	3	3	2

NOTE

All of the above components cannot be installed at the same time. Various combinations can be selected dependent on the mode of operation required. Refer to applicable TM's for possible configurations.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

NOTE

Tool and test equipment requirements for the various components of the AN/ASC-15( ) are found on the data sheets for those components.

3. Applicable Publications:

TM 11-5821-285-12 (Pertains to AN/ASC-15)
TM 11-5821-285-12-1 (Pertains to AN/ASC-15A(V)( )
TM 11-5821-285-20P (Pertains to AN/ASC-15)
TM 11-5821-285-34P (Pertains to AN/ASC-15)
TM 11-5821-285-35 (Pertains to AN/ASC-15)

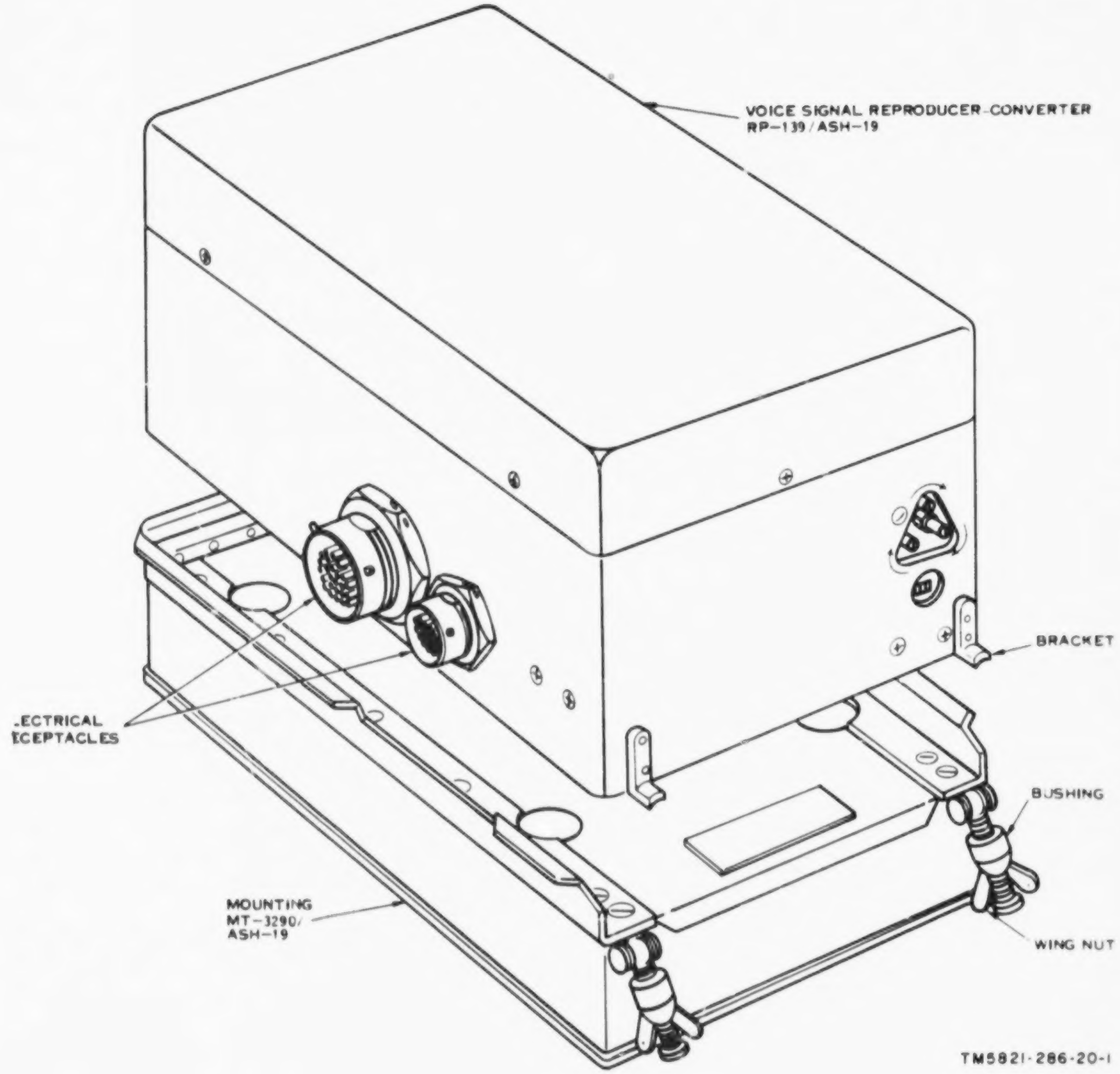
VOICE SIGNAL REPRODUCER-CONVERTER
RP-139/ASH-19
BRACKET
ECTRICAL
ECEPTACLES
BUSHING
MOUNTING
MT-3290/
ASH-19
WING NUT
TM5821-286-20-1

Figure 71. AN/ASH-19 Voice Warning Reproducer Set

1. Brief Description: The AN/ASH-19 Voice Warning Reproducer Set is an airborne equipment capable of monitoring up to 50 fault sensors is airborne systems. When a monitored fault is detected, the equipment automatically plays out one of 20 pre-recorded voice warning messages. Each message has a relative order of importance (priority) with respect to other messages. In the event of multiple inputs, the message of highest priority is played out. Three independent audio outputs from the equipment are connected to the aircraft interphone systems to verbally alert the crew to hazardous or potentially hazardous conditions in the airborne systems. The input power requirement of the AN/ASH-19 is 17 to 29 volts DC at 1.75 amps maximum. Major components of the set are as follows:

MT-3290/ASH-19	Mount
RP-139/ASH	Reproducer

2. Applicable Tools and Test Equipment: Size appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-365		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
ID-851/U			X
ME-30A/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723/U			X

3. Applicable Publications:

TM 11-5821-286-20
TM 11-5821-286-20P
TM 11-5821-286-35
TM 11-5821-286-35P

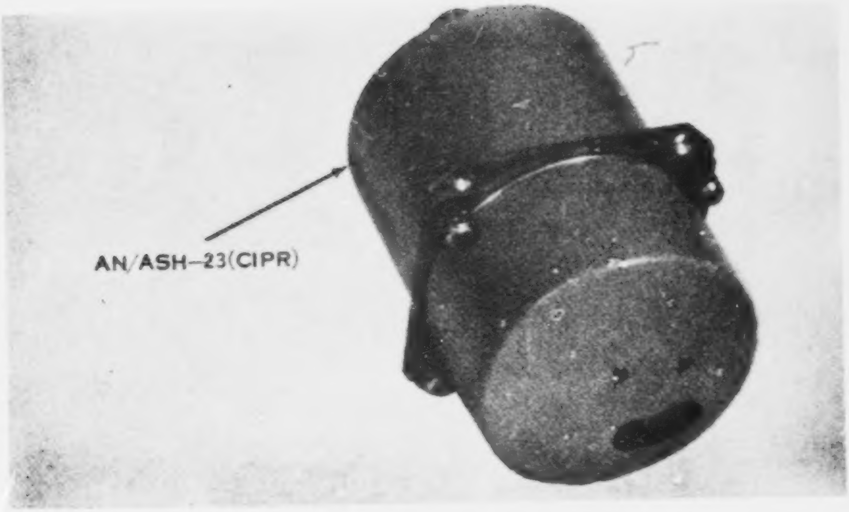

Figure 72. AN/ASH-23 Sound Recorder Set

1. Brief Description: Sound Recorder Set AN/ASH-23, commonly known as Continuous Inflight Performance Recorder (CIPR), is a miniature, continuous-duty, solid state, four-channel tape recorder that equips an aircraft with a means of recording permanent flight-time-correlated voice messages. One channel records Voice Warning System AN/ASH-19 fault messages. The second channel allows the pilot to record, via the pilot's microphone, observations, conditions, and events that occur during flight. A spare channel is provided for future recording requirements (third channel). The fourth channel records internally generated timing pulses that relate all of the data recorded on the other channels to actual flight time. Input power requirement is 27.5 volts DC at 1 amp. The major components are as follows:

C-8203/ASH-23	Controller
MA-27/ASH-23	Magazine

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASH-23	X	X	X
AN/ASH-24	X	X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
ME-30A/U		X	X
ME-254/U		X	X
SG-71/FCC		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723/U		X	X
TS-2854/ASH-23		X	X

3. Applicable Publications:

TM 11-5835-239-12
TM 11-5835-239-20P-1
TM 11-5835-239-35
TM 11-5835-239-35P-1
TM 11-5835-239-35P-2

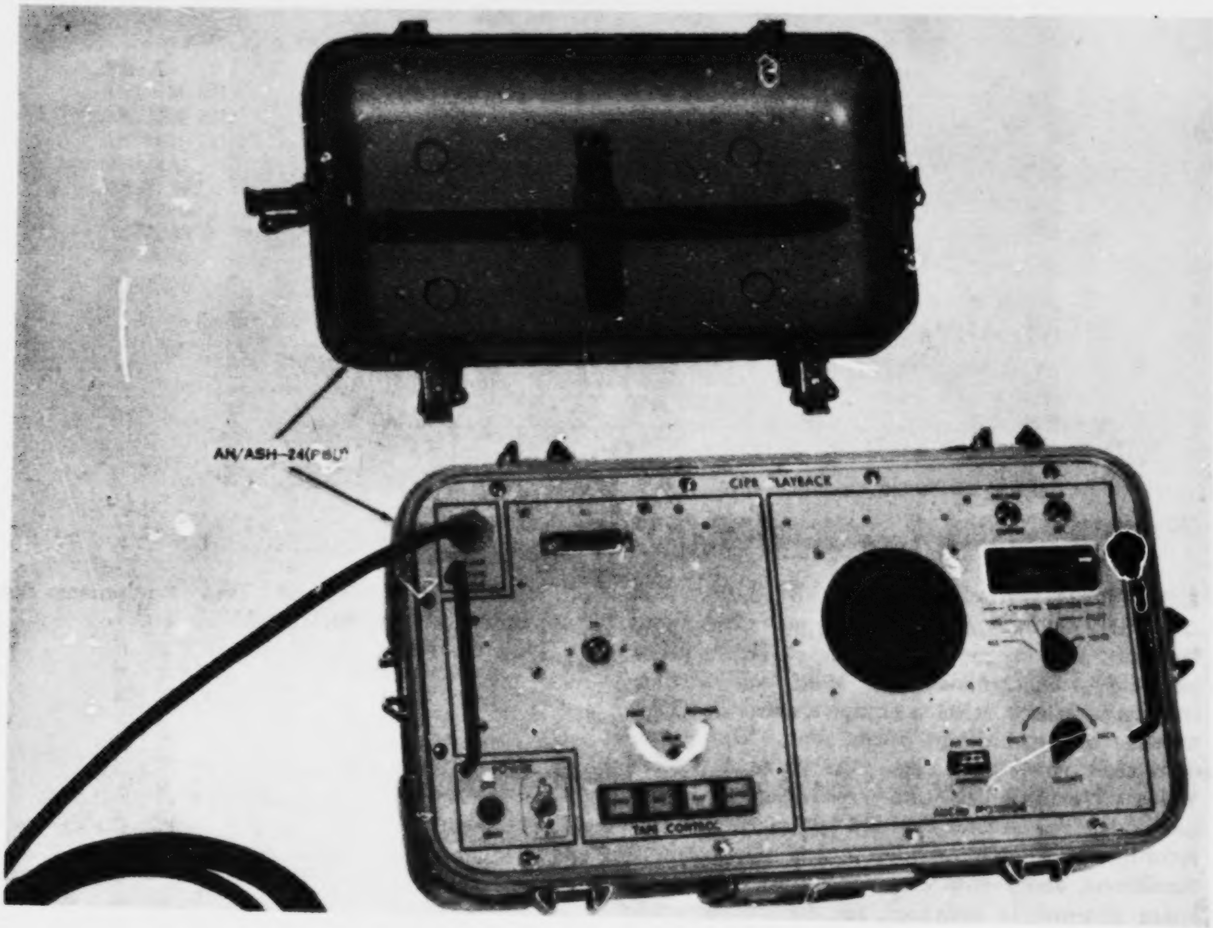

Figure 73. AN/ASH-24 sound Reproducer Set

1. Brief Description: Sound Reproducer Set AN/ASH-24 is a solid state, for channel, two speed playback unit that provides a means of monitoring messages recorded on the AN/ASH-23 Sound Reproducer Set (CIPR). The playback unit provides a means of rewinding the magazine in preparation for re-use and can also be used to evaluate proper functioning. Power input requirement is 115 volts AC 60 Hz AC.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASH-23			X
AN/USM-223		X	X
AN/USM-281A			X
ME-30A/U			X
ME-254/U			X
MP-2/U	X	X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723/U			X
TS-2854/ASH-23		X	X

3. Applicable Publications:

TM 11-5835-239-12
TM 11-5835-239-20P-1
TM 11-5835-239-35
TM 11-5835-239-35P-1
TM 11-5835-239-35P-2

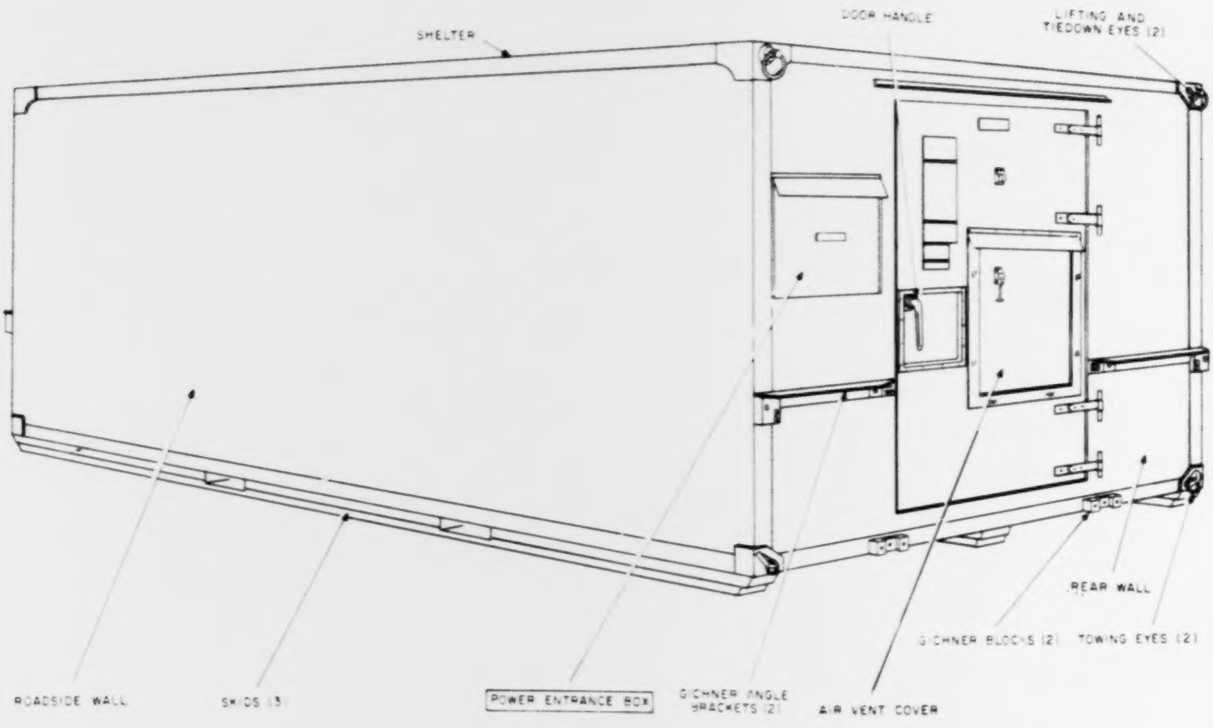
SHELTER
DOOR HANDLE
LIFTING AND TIEDOWN EYES (2)
REAR WALL
GICHNER BLOCKS (2)
TOWING EYES (2)
ROADSIDE WALL
SKIDS (3)
POWER ENTRANCE BOX
GICHNER ANGLE BRACKETS (2)
AIR VENT COVER

Figure 74. AN/ASM-146/147 Avionics Repair/Supply Shops

1. Brief Description: The AN/ASM-146 and AN/ASM-147 Avionics Electronics Shops are air or vehicular transportable shelters which can be equipped with a Gichner mobilizer kit to permit towing. The AN/ASM-146 provides a facility for bench testing, troubleshooting, alignment and repair of avionics systems and components. Tools and test equipment installed in the shelter are authorized on the TO&E or TA of the using activity. A PP-1104C/G power supply is installed in the shelter which provides DC power for the equipment being maintained. The AN/ASM-147 is used as a storage facility for repair parts and maintenance float items. External power requirements for the AN/ASM-146 are 115 volts AC, 60 Hz, single phase, 100 amperes and 115 volts AC, 400 Hz, three phase, 20 amperes. External power requirement for the AN/ASM-147 is 115 volts AC, 60 Hz, single phase at 50 amperes.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/USM-223		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TK-144/G		X	X

3. Applicable Publications:

TM 11-4940-238-14-1
TM 11-4940-238-15
TM 11-4940-238-24P
TM 11-4940-238-24P-1

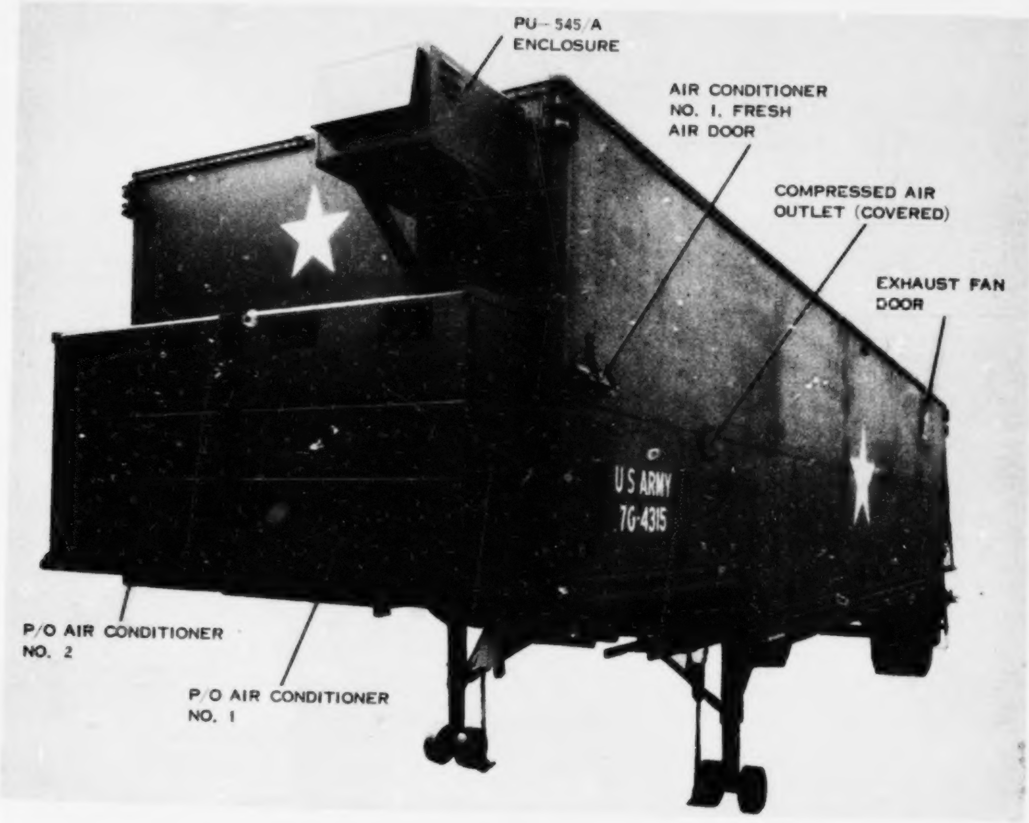
PU-545/A ENCLOSURE
AIR CONDITIONER NO. 1, FRESH AIR DOOR
COMPRESSED AIR OUTLET (COVERED)
EXHAUST FAN DOOR
P/O AIR CONDITIONER NO. 2
P/O AIR CONDITIONER NO. 1
US ARMY
7G-4315

Figure 75. AN/ASM-189( ) Avionics Maintenance Shop

1. Brief Description: The AN/ASM-189( ) is an air or vehicular-transportable maintenance shop which provides mobile facilities for direct and general support bench testing, troubleshooting, alignment and repair of electronic equipments. Tools and test equipment required to perform maintenance functions as authorized by TO&E are installed in the shop. Refer to applicable TM to determine items comprising an operable system. Input power requirement is 120/208 volts AC, 60 Hz, three phase, four wire at 27,600 watts maximum, depending on items in use.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

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3. Applicable Publications:

TM 11-4940-209-15 (Pertains to AN/ASM-189)
TM 11-4940-246-14 (Pertains to AN/ASM-189A)
TM 11-4940-246-24P-1 (Pertains to AN/ASM-189A)
TM 11-4940-246-24P-2 (Pertains to AN/ASM-189A)

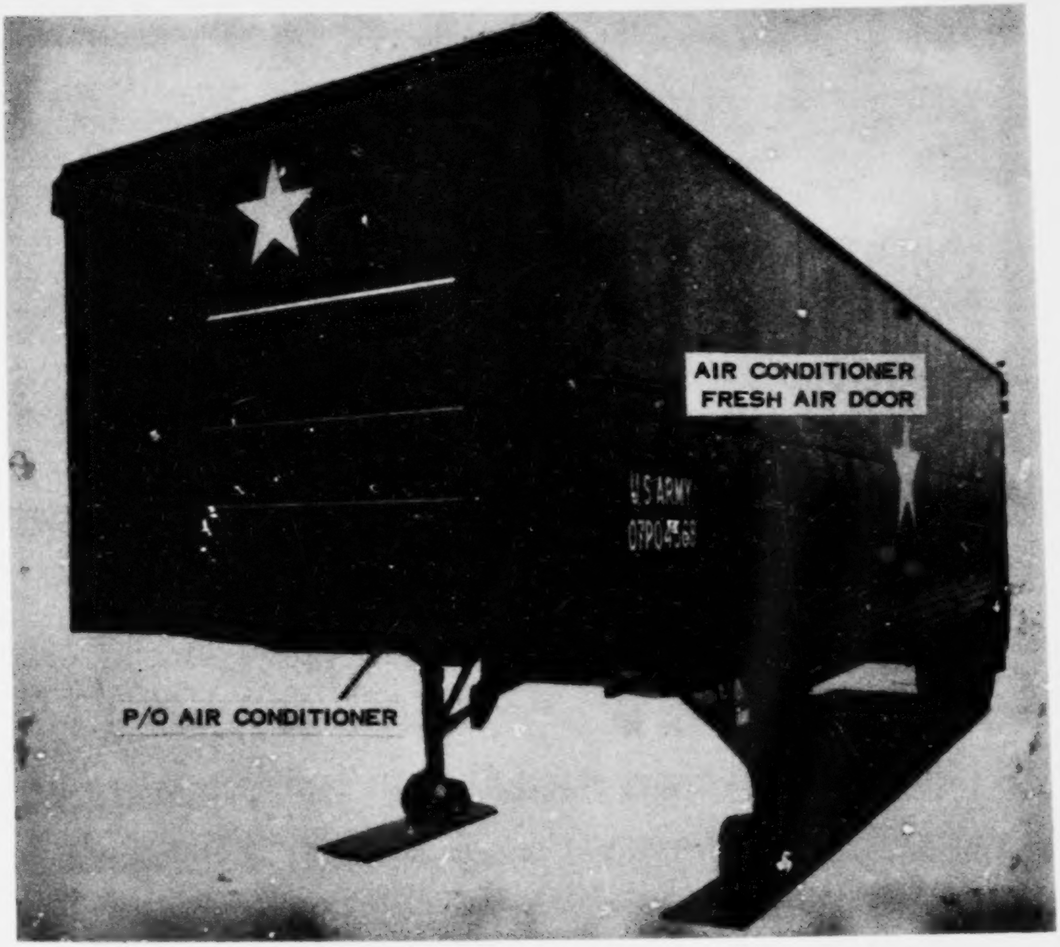


Figure 76. AN/ASM-190( ) Avionics Storage Shop

1. Brief Description: The AN/ASM-190( ) (Storage Van) Electronic Shop is an air or vehicular-transportable facility used for storing repair parts and the maintenance float components of the major end items being supported. This storage van is used in conjunction with the AN/ASM-189( ) repair van. For electrical and physical differences refer to appropriate technical manual. Items comprising an operable equipment and those required for installation are listed in the Basic Issue List of the Technical Manual. Input power requirement is 120/208 volts AC, 60 Hz, three phase, four wire at 11,232 watts maximum, depending on items in use.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-4940-209-15 (Pertains to AN/ASM-190)
TM 11-4940-246-14 (Pertains to AN/ASM-190A)
TM 11-4940-246-24P-1 (Pertains to AN/ASM-190A)
TM 11-4940-246-24P-2 (Pertains to AN/ASM-190A)

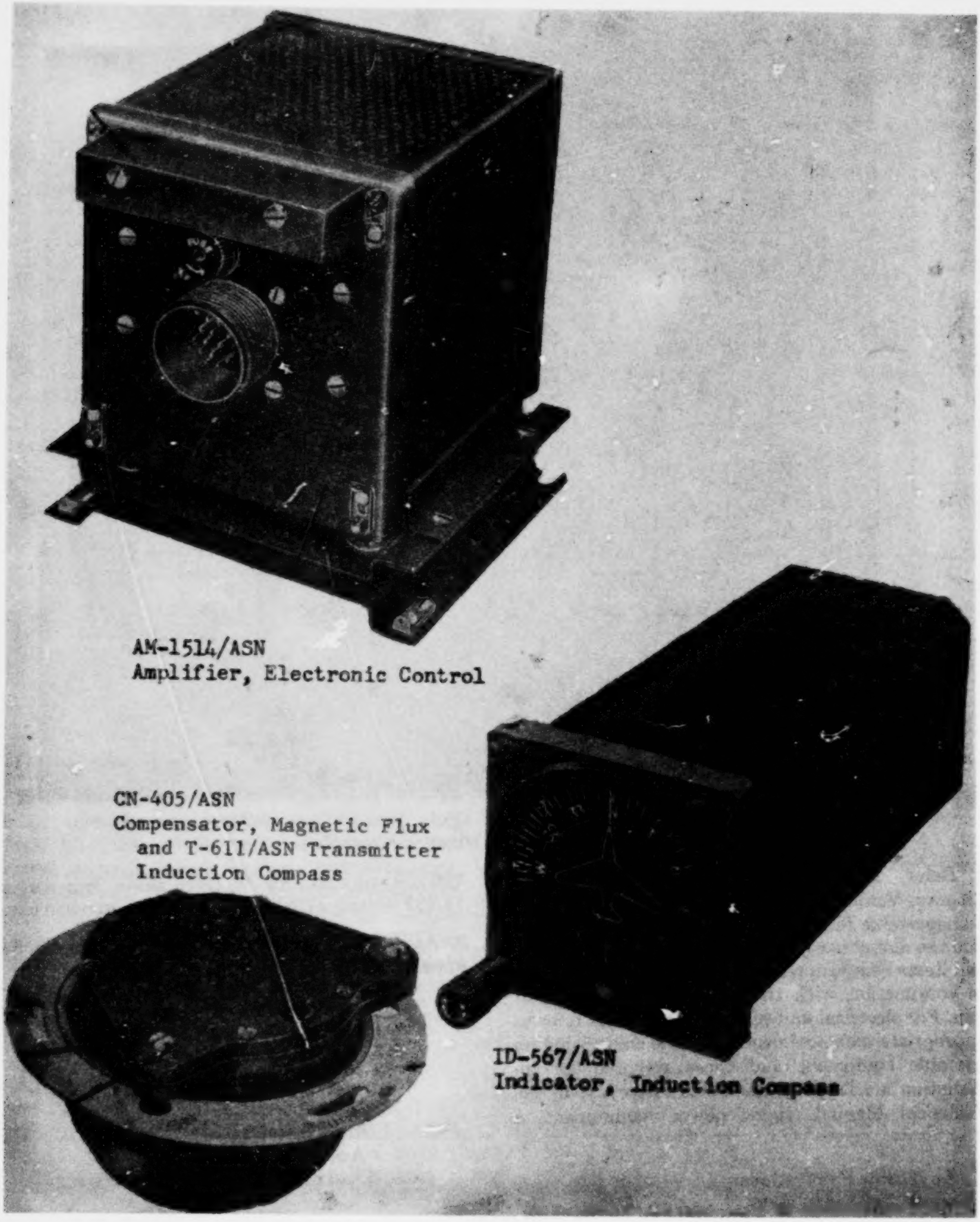

AM-1514/ASN
Amplifier, Electronic Control
CN-405/ASN
Compensator, Magnetic Flux
and T-611/ASN Transmitter
Induction Compass
ID-567/ASN
Indicator, Induction Compass

Figure 77. AN/ASN-13 Gyro Magnetic Compass Set

1. Brief Description: The AN/ASN-13 Gyro Magnetic Compass is a compact, lightweight directional indicating system for use in aircraft to provide magnetic heading. When used with repeater indicators, the set can provide duplicate heading information to other crew members. Input power requirements are 115 volts AC, 3 phase, 400 Hz at 20 watts and 28 volts DC at 18 watts. Major components of this set are as follows:

AM-1514/ASN	Electronic Control Amplifier
CN-405/ASN	Magnetic Flux Compensator
ID-567/ASN	Induction Compass Indicator
T-611/ASN	Induction Compass Transmitter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-61	X	X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
ME-26D/U		X	X
ME-30A/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1836B/U		X	X

3. Applicable Publications:

TM 11-5558

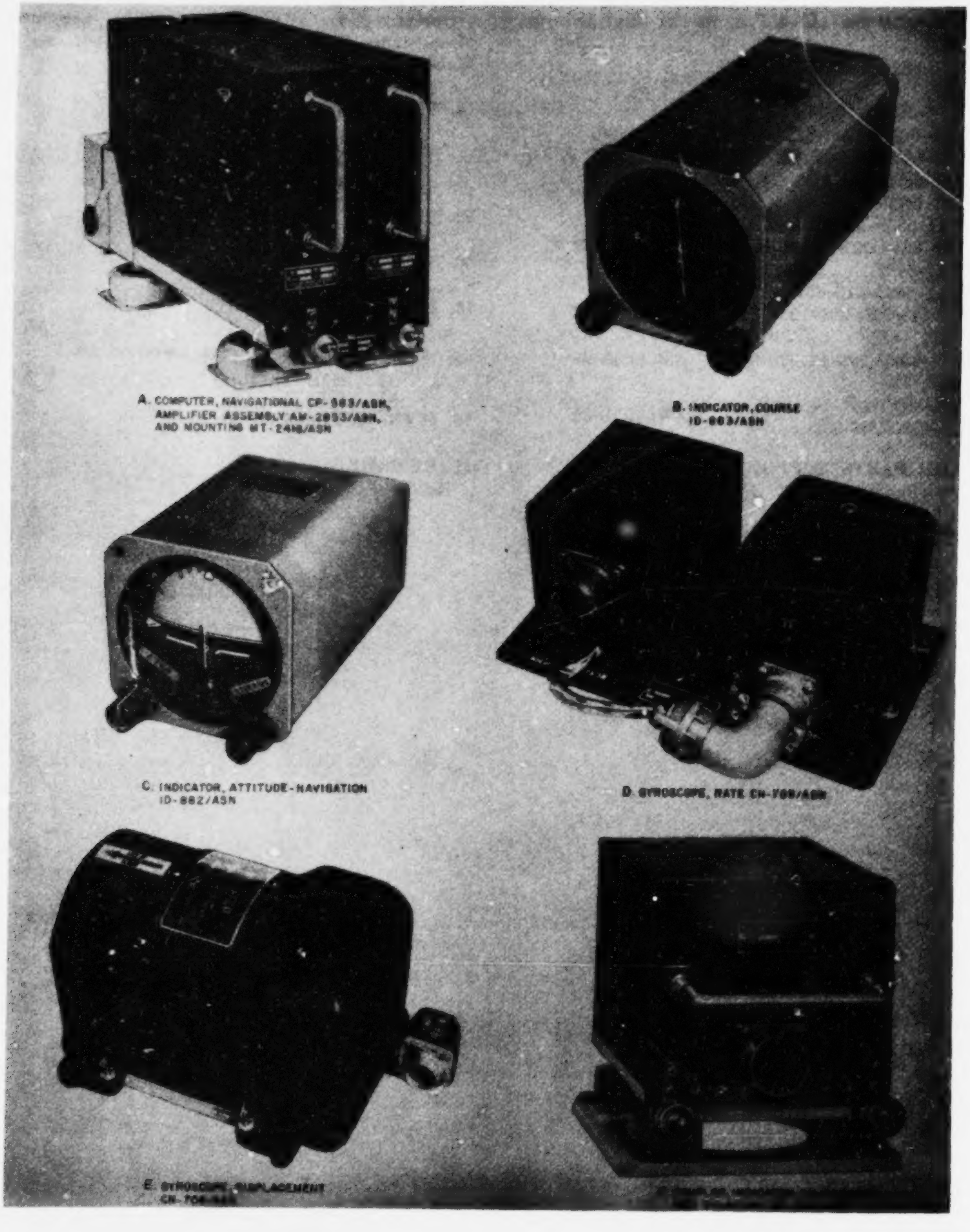

A. COMPUTER, NAVIGATIONAL CP-883/ASN, AMPLIFIER ASSEMBLY AM-2853/ASN, AND MOUNTING MT-2418/ASN
B. INDICATOR, COURSE ID-883/ASN
C. INDICATOR, ATTITUDE-NAVIGATION ID-882/ASN
D. GYROSCOPE, RATE CN-708/ASN
E. GYROSCOPE, DISPLACEMENT CN-704/ASN

Figure 78. AN/ASN-33 Navigation Computer Set

1. Brief Description: The AN/ASN-33 Navigational Computer Set, when used with the CU-865/ASN Indicator Coupler, integrates the functions of the aircraft's VOR Receiver, Magnetic Compass System, and Glide Slope Receiver to provide the pilot with continuously computed and displayed navigational flight data. The input power requirement is 115 volts AC, 400 Hz at 700 watts. The major components of the set are as follows:

AM-2853/ASN	Amplifier Assembly (Instrument)
CN-708/ASN	Displacement Gyroscope (Vertical)
CN-709/ASN	Rate Gyroscope (Sensor)
CP-583/ASN	Navigational Computer (Steering)
ID-882/ASN	Attitude Navigation Indicator (Horizontal)
ID-883/ASN	Course Indicator
MT-2416/ASN	Mount

The following equipments are used in conjunction with but are not part of the AN/ASN-33:

CU-865/ASN	Indicator Coupler (VOR)
MT-2417/ASN	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
ME-26B/U		X	X
ME-30B/U			X
ME-221/U			X
MK-570A/ASN		X	X
SM-253/ASM-57			X
SM-254/ASM-57			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TL-675			X
Stopwatch		X	X

3. Applicable Publications:

TM 11-5826-218-12
TM 11-5826-218-20P
TM 11-5826-218-34P
TM 11-5826-218-35

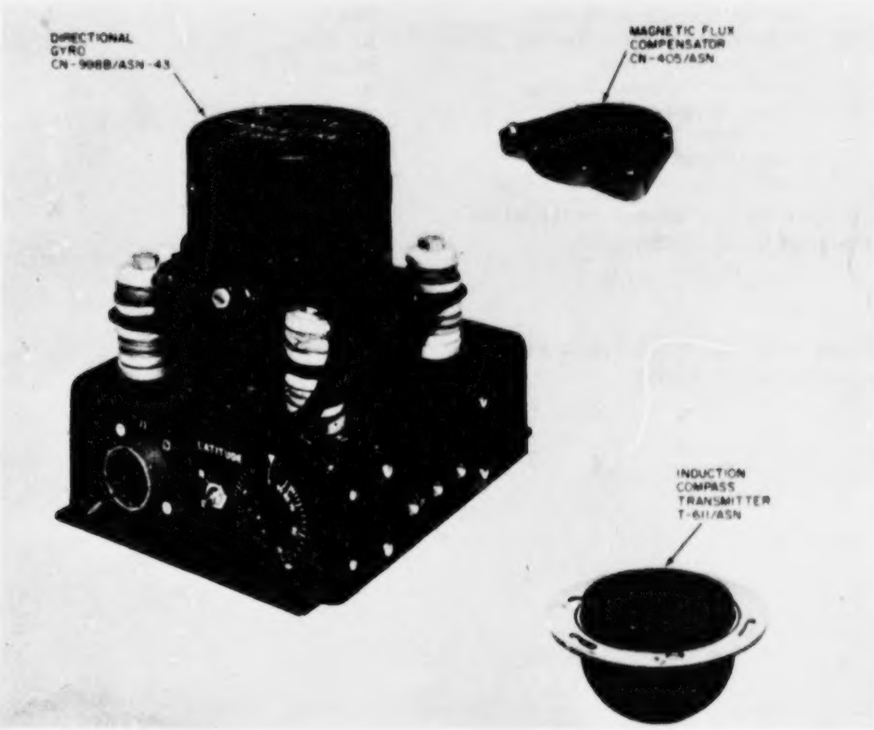


Figure 79. AN/ASN-43A Gyromagnetic Compass Set

1. Brief Description: The AN/ASN-43( ) Gyromagnetic Compass Set provides accurate heading information, referenced to a free directional gyro heading when operated in the DG mode (free gyro) or slaved to the earth's magnetic field when operated in the MAG mode (magnetically slaved). It is usable in both fixed and rotary wing aircraft up to altitudes of 50,000 feet. The CN-998B/ASN-43 Directional Gyro, part of the AN/ASN-43A system, is an improved version which incorporates a drift bias function and circuit packaging modifications to provide improved reliability under environmental exposures. Major components of both configurations of the AN/ASN-43( ) are:

AN/ASN-43 consists of:

CN-405/ASN	Compensator
CN-998/ASN-43	Directional Gyro
T-611/ASN	Compass Transmitter

AN/ASN-43A consists of:

CN-405/ASN	Compensator
CN-998B/ASN-43	Directional Gyro
T-611/ASN	Compass Transmitter

NOTE

The AN/ASN-43( ) is used with a variety of other components such as amplifiers, controls, indicators, etc., to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

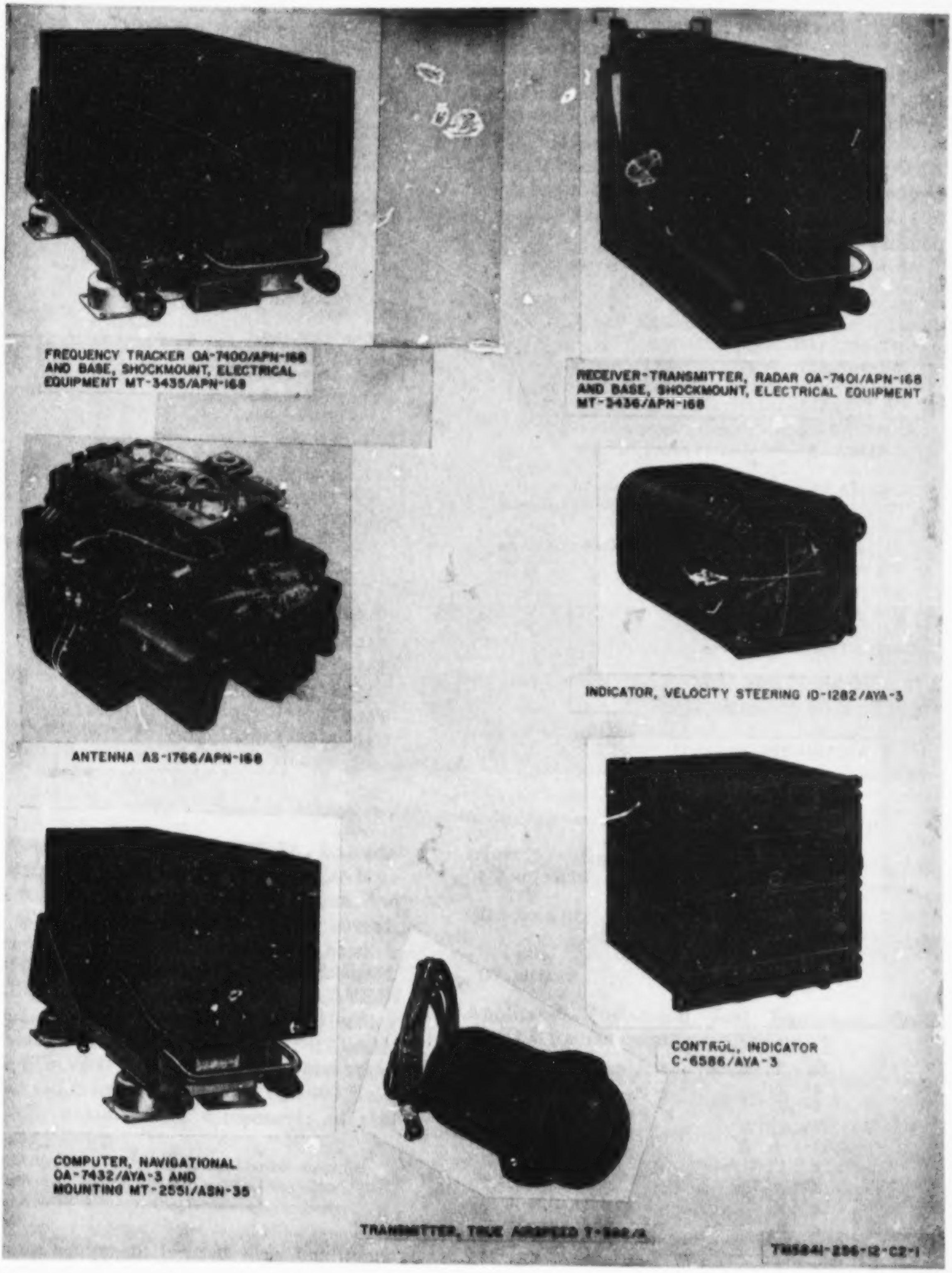
2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-339(V)1			X
AN/URM-105C	X		
AN/USM-223		X	X
AN/USM-281A		X	X
ME-30( )/U		X	X
ME-223/U		X	X
ME-227/U		X	X
MK-1040A/ASN			X
MK-4042A		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1836D/U			X
*TS-2644/ASN		X	X
**TS-2645/ASN		X	X
ZM-4B/U			X
Stopwatch		X	X

*Used with ID-998/ASN
**Used with ID-1351/A

3. Applicable Publications:

TM 11-6605-202-12
TM 11-6605-202-24P
TM 11-6605-202-35



FREQUENCY TRACKER OA-7400/APN-168 AND BASE, SHOCKMOUNT, ELECTRICAL EQUIPMENT MT-3435/APN-168

RECEIVER-TRANSMITTER, RADAR OA-7401/APN-168 AND BASE, SHOCKMOUNT, ELECTRICAL EQUIPMENT MT-3436/APN-168

ANTENNA AS-1766/APN-168

INDICATOR, VELOCITY STEERING ID-1282/AYA-3

COMPUTER, NAVIGATIONAL OA-7432/AYA-3 AND MOUNTING MT-2551/ASN-35

CONTROL, INDICATOR C-6586/AYA-3

TRANSMITTER, TRUE AIRSPEED T-366/A

TM5841-256-12-C2-1

Figure 81. AN/ASN-64 Doppler Navigation Set

1. Brief Description: Doppler Navigation Set AN/ASN-64( ) is an airborne navigational system which measures groundspeed and drift angle, and computes present position, bearing, and distance to destination. All components of the AN/ASN-64 and AN/ASN-64A are interchangeable. The AN/ASN-64( ) transmits and receives on a frequency of 13.325 GHz. Input power requirement is 115 volts AC, 400 Hz at 500 watts. Major components of the set are as follows:

AN/APN-168( ) Radar Navigation Set consisting of:
  AS-1766/APN-168 . . . . . . Antenna
    or
  AS-1766A/APN-168. . . . . Antenna
  MT-3435/APN-168. . . . . . Mount
  MT-3436/APN-168. . . . . . Mount
  OA-7400/APN-168. . . . . . Frequency Tracker
  OA-7401/APN-168. . . . . . Receiver-Transmitter
AN/AYA-3 Doppler Computer Group consisting of:
  C-6586/AYA-3 . . . . Control Indicator
    or
  C-6586A/AYA-3. . . . . Control Indicator
  ID-1282/AYA-3 . . . . Velocity-Steering Indicator
    or
  ID-1282A/AYA-3. . . . . . . Velocity-Steering Indicator
  MT-2551/AYA-3 . . . . Mount
  OA-7432/AYA-3. . . . . Computer
    or
  OA-7432A/AYA-3 . . . . . . Computer
T-992/A True Airspeed Transmitter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-289		X	X
AN/AYM-1		X	X
AN/GPM-60	X	X	X
AN/GSM-64			X
AN/UPM-84A			X
AN/URM-25D		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-98A		X	X
AN/USM-161		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
FM-103(1)		X	X
FR-126A/U			X
ME-26D/U		X	X
ME-30A/U		X	X
MK-864/APN-168		X	X
MK-865/AYA-3		X	X
MK-866/ASN-64		X	X
SM-486/ASN			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-268E/U		X	X
TS-723D/U			X
TS-2326/APN-168		X	X
TS-2327/APN-168		X	X
TS-2330/ASN-64		X	X

3. Applicable Publications:

TM 11-5841-256-12
TM 11-5841-256-34-1
TM 11-5841-256-34-2
TM 11-5841-256-34P-1
TM 11-5841-256-35P

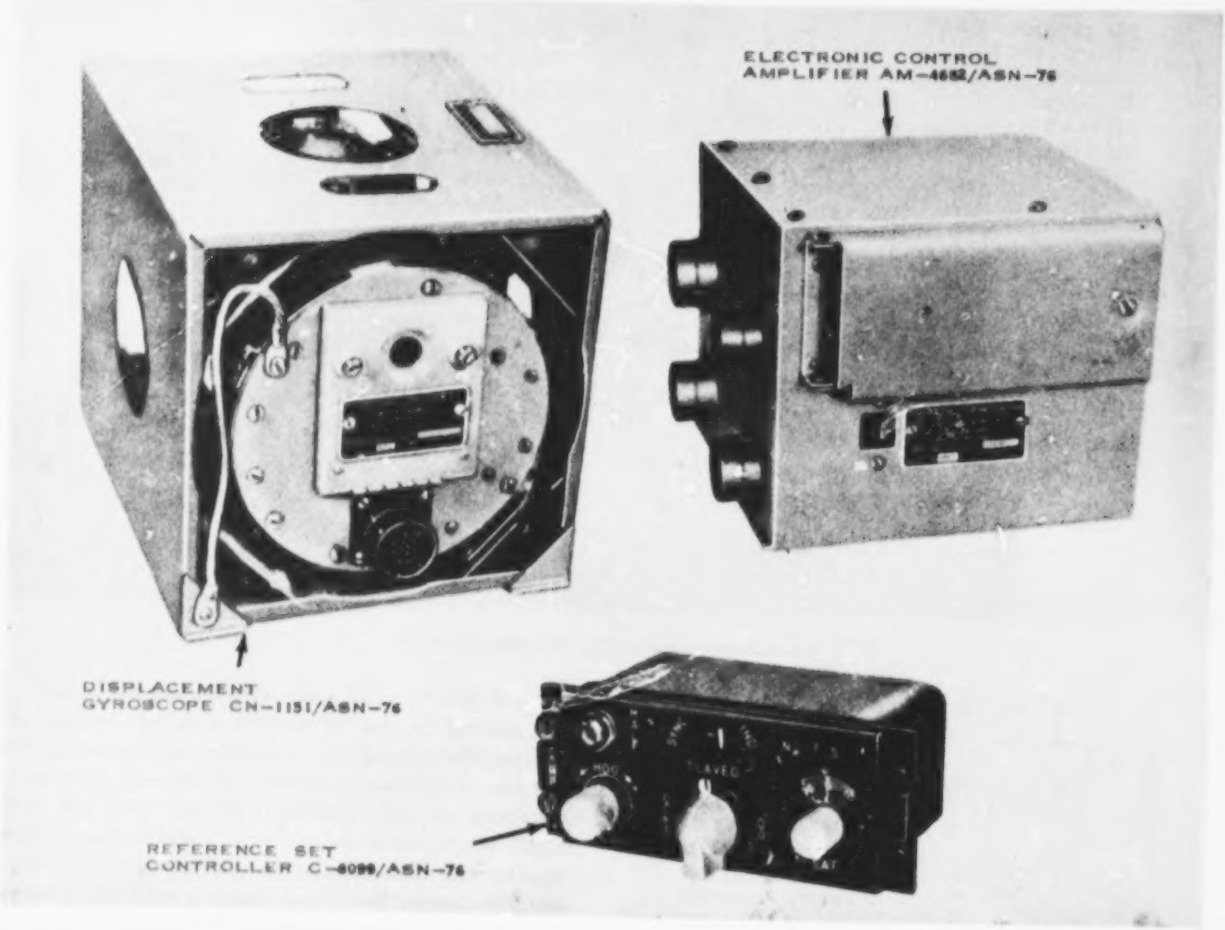


Figure 82. AN/ASN-76 Attitude-Heading Reference Set

1. **Brief Description**: The AN/ASN-76 Attitude-Heading Reference Set provides roll and pitch information for attitude control and indication, and accurate directional information for aircraft navigation at all latitudes of the earth. As a heading reference, three modes of system operation are used: directional gyro (DG) mode, slaved (SLAVED) mode, and compass (COMP) mode. Heading reference signals are provided by the DT-173/AJN during the SLAVED or COMP mode of operation. Power input requirement is 115 volts AC, 400 Hz, 3 phase at 125 watts. Major components of this system are as follows:

AM-4682/ASN-76	Electronic Control Amplifier
C-8099/ASN-76	Reference Set Controller
CN-1151/ASN-76	Displacement Gyroscope
MT-3870/A	Mount

The following equipment is used with, but is not issued as part of the AN/ASN-76:

DT-173/AJN Magnetic Azimuth Detector:

CN-1072/AJN	Detector-Magnetic Compensator (Thin Flux Valve)
DT-309/AJN	Azimuth Detector (Thin Compensator)
or	
DT-376/ASN	Azimuth Detector

2. **Applicable Tools and Test Equipment**: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-297		X	X
AN/ASM-298		X	X
AN/ASM-299	X		
AN/URM-105	X		
AN/USM-98		X	X
AN/USM-223		X	X
C-8099/ASN-76		X	X
ID-1450/ASN		X	X
ME-30A/U		X	X
ME-223/U		X	X
MX-4042/ASW-12		X	X

Type No.	*O*	*F*	*H*
SM-486/ASN		X	X
TG-168/ASN-76		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
ZM-16/U		X	X
A-2052		X	X
Stopwatch		X	X

3. Applicable Publications:

TM 11-6615-245-20
TM 11-6615-245-34P
TM 11-6615-245-35

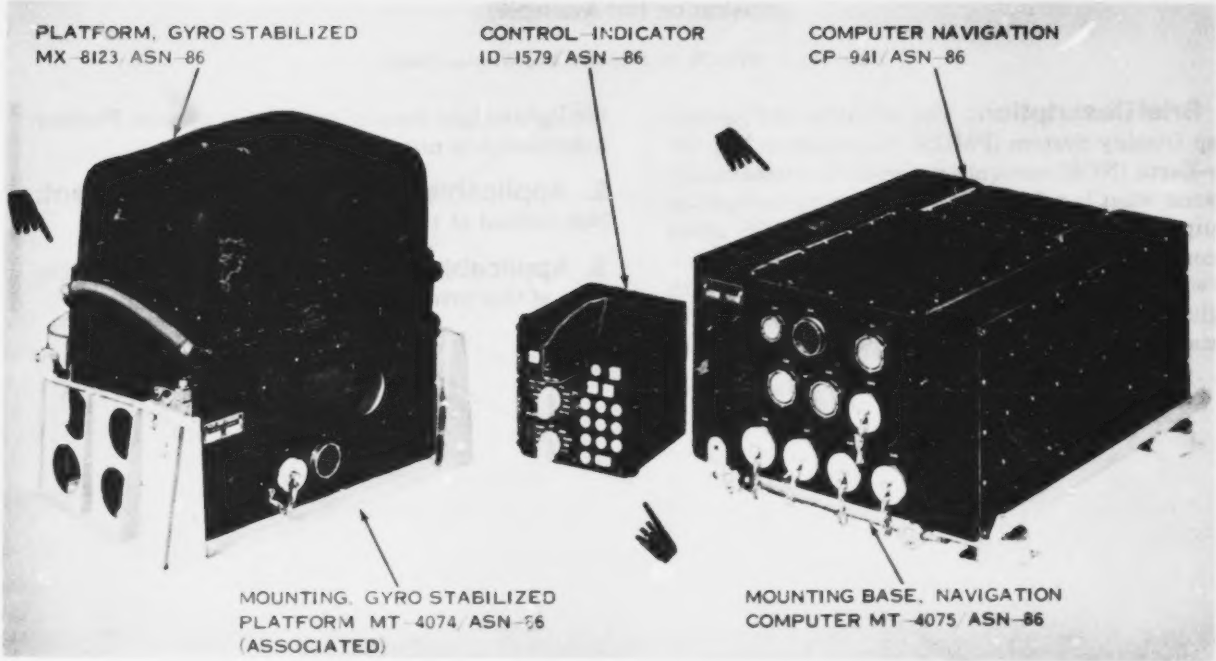

PLATFORM, GYRO STABILIZED
MX-8123/ASN-86
CONTROL-INDICATOR
ID-1579/ASN-86
COMPUTER NAVIGATION
CP-941/ASN-86
MOUNTING, GYRO STABILIZED
PLATFORM MT-4074/ASN-86
(ASSOCIATED)
MOUNTING BASE, NAVIGATION
COMPUTER MT-4075/ASN-86

Figure 83. AN/ASN-86 Inertial Navigation Set

1. Brief Description:

The AN/ASN-86 Inertial Navigation Set is a self contained navigation and attitude-reference system that is totally independent of aircraft maneuvers, weather conditions and terrain. The AN/ASN-86 permits flight to a predetermined surveillance area under instrument flight rules (IFR) conditions. Simultaneously the navigation set provides a visual display of present position data in universal transverse mercator (UTM) coordinates or conventional latitude coordinates during all phases of the flight. When a suspected target is picked up, the AN/ASN-86 will display and/or freeze the geographical coordinates of the aircraft's position. The input power requirements are 28 volts DC at 26 amps and 115 volts AC, 400 Hz at 510 watts (initial warmup requires 1350 watts for a maximum .05 minute). The major components of this set are as follows:

CP-941/ASN-86	Navigational Computer
ID-1579/ASN-86	Control-Indicator
MT-4074/ASN-86	Mount (for MX-8123/ASN-86)
or	
MT-4447/ASN-86	Mount
MT-4075/ASN-86	Mount (For CP-941/ASN-86)
MX-8123/ASN-86	Gyro Stabilized Platform

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-385			X
AN/ASM-386		X	X
AN/USA-34		X	X
AN/USM-207A			X
AN/USM-223	X	X	X
AN/USM-281A			X
AN/USM-365(V)1			X
ME-202A/U			X
ME-223A&U			X
MT-4145/ASN-86			X
MX-8474/ASN-86			X
PL-1306/U			X
TK-90/G	X	X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
1801A		X	X
1821A		X	X
8602B			X
8306B			X

NOTE

Refer to TM 11-5826-245-34P for additional tools and test equipment not having part numbers or AN type designators.

3. Applicable Publications:

TM 11-5826-245-20
TM 11-5826-245-20P
TM 11-5826-245-34/1
TM 11-5826-245-34/2
TM 11-5826-245-34/3
TM 11-5826-245-34P

(Illustration Not Available)

Figure 83.1. AN/ASN–99 Projected Map Display System

1. Brief Description: The AN/ASN–99 Projected Map Display System (PMDS) will improve Nap-Of-the-Earth (NOE) navigation capability substantially beyond what is achievable with existing navigation equipment in Army helicopters. The PMDS offers immediate available night NOE navigation capability which is not attainable using hand-held map with night vision goggles. The PMDS, if approved for installation in Army helicopters, will interface with the lightweight doppler navigation system. Further information is not available.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

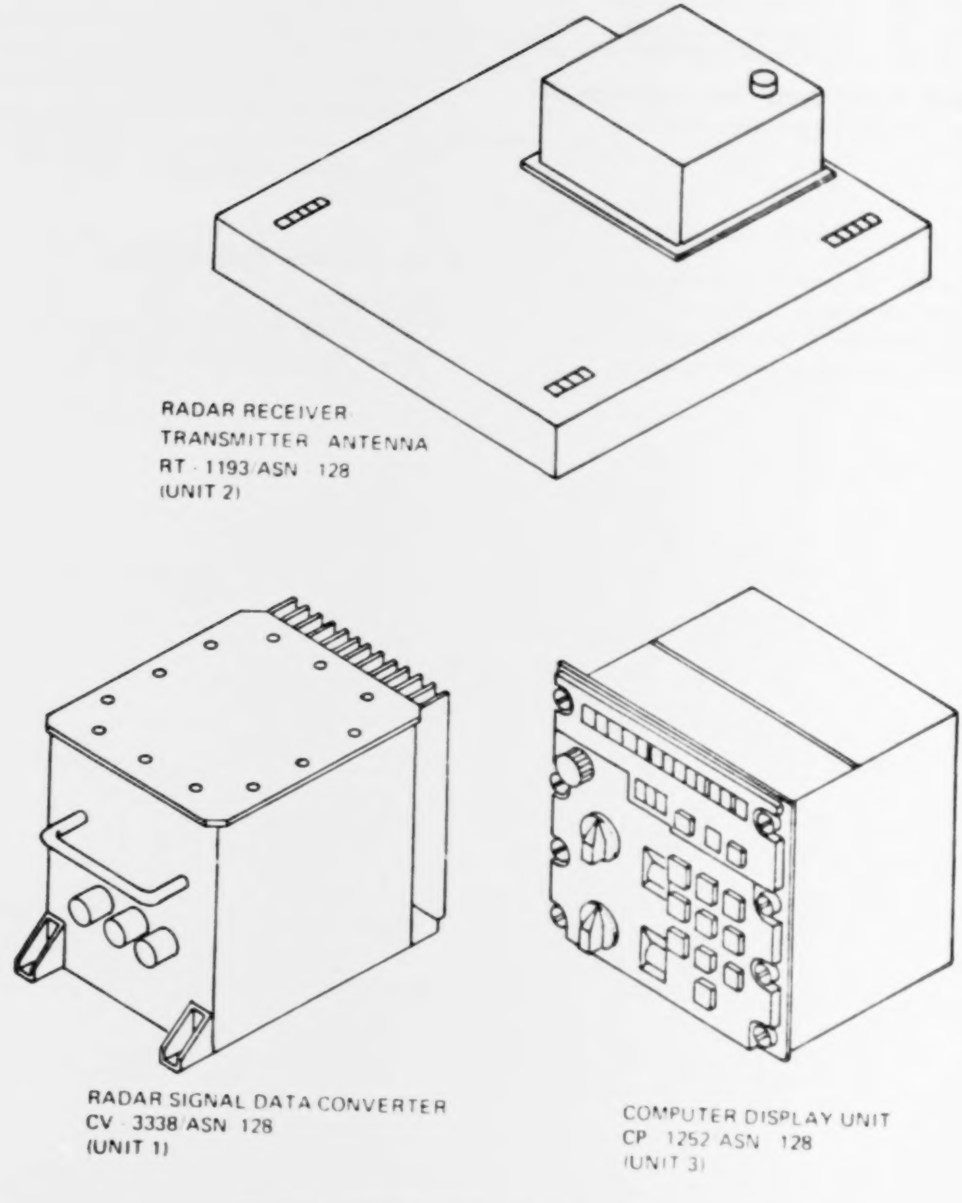

RADAR RECEIVER-
TRANSMITTER-ANTENNA
RT-1193/ASN-128
(UNIT 2)
RADAR SIGNAL DATA CONVERTER
CV-3338/ASN-128
(UNIT 1)
COMPUTER DISPLAY UNIT
CP-1252/ASN-128
(UNIT 3)

Figure 84. AN/ASN–128 Doppler Navigation Set

1. Brief Description: Doppler Navigation Set AN/ASN–128 is a lightweight airborne self-contained navigational system which determines the three orthogonal components of aircraft velocity from measurements of the doppler frequency shift. It computes UTM or present position LAT/LONG as well as other navigational data such as ground speed, track angle, bearing and distance to destination, etc. The set is used with the aircraft's standard heading and attitude reference system and will provide a CEP in present position of 2% of distance traveled. Frequency range of the AN/ASN–128 is 13.25 to 13.4 GHz and power requirements are 27.5 volts DC at 3.6 amps maximum. Major components of the set are:

CP–1252( )/ASN–128	. . . . Computer-Display Unit
CV–3338( )/ASN–128	. . . . Signal Data Converter
RT–1193( )/ASN–128	. . . . Receiver-Transmitter-Antenna

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
TK–101/G	X		

NOTE

The AN/ASN–128 and all of its components are warranted by the manufacturer under a long term Reliability Improvement Warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

SB 11–643
TM 11–5841–281–12
TM 11–5841–281–20P

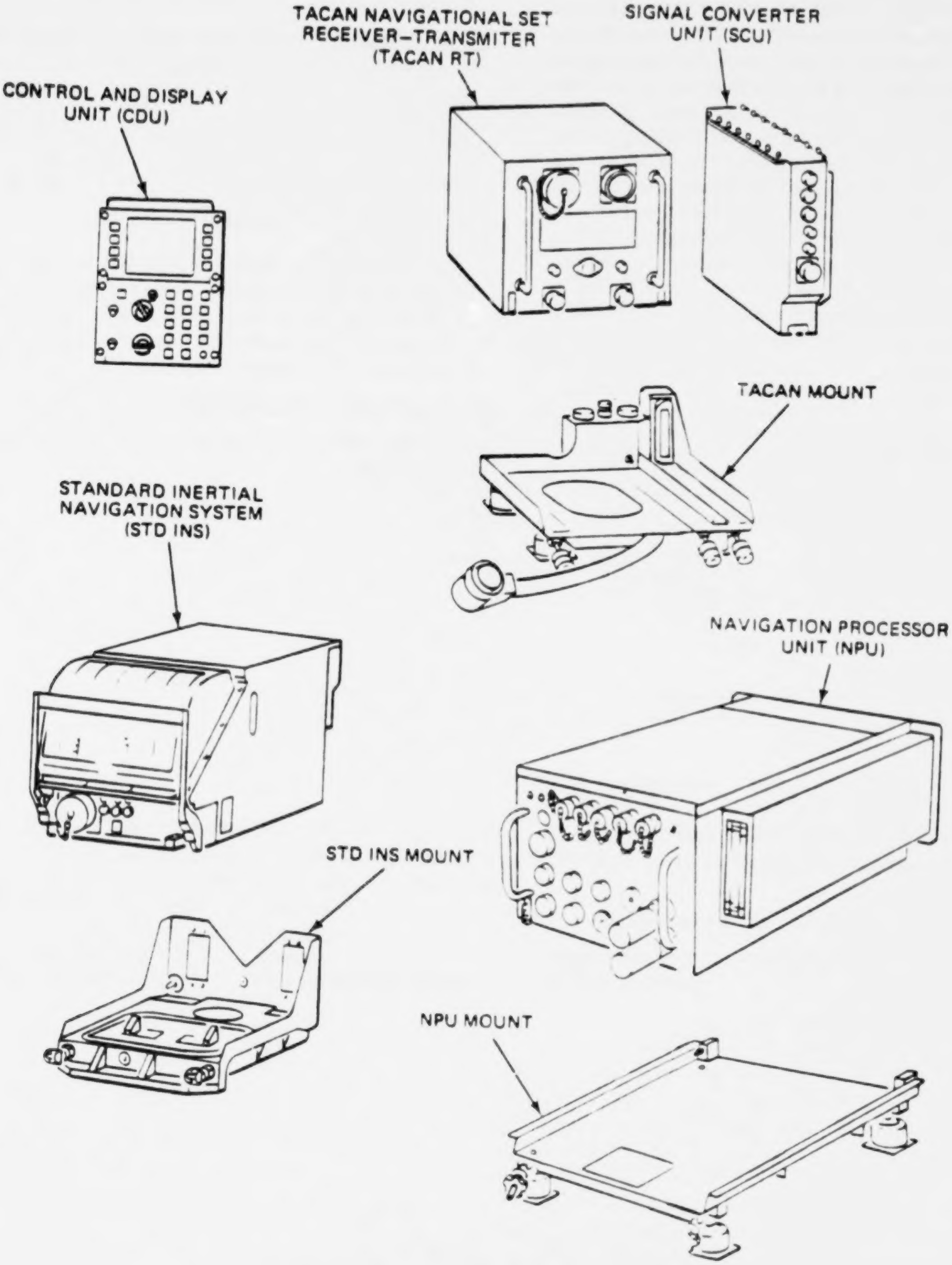

TACAN NAVIGATIONAL SET RECEIVER–TRANSMITER (TACAN RT)
SIGNAL CONVERTER UNIT (SCU)
CONTROL AND DISPLAY UNIT (CDU)
TACAN MOUNT
STANDARD INERTIAL NAVIGATION SYSTEM (STD INS)
NAVIGATION PROCESSOR UNIT (NPU)
STD INS MOUNT
NPU MOUNT

Figure 84.1. AN/ASN–132 Integrated Inertial Navigation System

1. Brief Description:

The Integrated Inertial Navigation System (IINS) AN/ASN–132 provides self-contained navigation capability to U.S. Army EH–6A aircraft for short and/or long-range missions and can be updated wherever TACAN navigational facilities exist or manually without TACAN data. The IINS employs a serial bus data for data interchange within the IINS and with the external mission system computer. This system also interfaces with the aircraft flight instruments and altimeter/encoder AAU–32A. Navigation sensor by path determination data is processed by the Navigation Processor Unit (NPU). Ths IINS control and data entry is accomplished by means of the Control and Display Unit (CDU). Major components of the AN/ASN–132 are:

AN/UYK–64(V)2	Navigation Processor Unit
CN–1158/ASN	Standard Inertial Navigation System
CN–11097/ASN–132	Control Indicator
CV–3739/ASN–132(V)	Signal Data Converter
MT–4915/A	Mount (RT–1159A)
PN105749	Mounting Rack (AN/UYK–64(V)2)
PN880100–1	Mount (CN–1158/ASN)
RT–1159A/ARN–118	Receiver-Transmitter

2. Applicable Tools and Test Equipment:

See Appendix B for nomenclature, NSN, etc.:

Type No.	*AVUM*	*AVIM*
AN/USM–223	X	X
TK–101/G	X	
TK–105/G		X
Direct Support Test Setup		X

NOTE

A combination Reliability Improvement Warranty (RIW) and contractor support will be utilized for a three year period. After three years of contractor support, organic support will be made available.

3. Applicable Publications:

Applicable technical manual(s) not available at time of this printing.

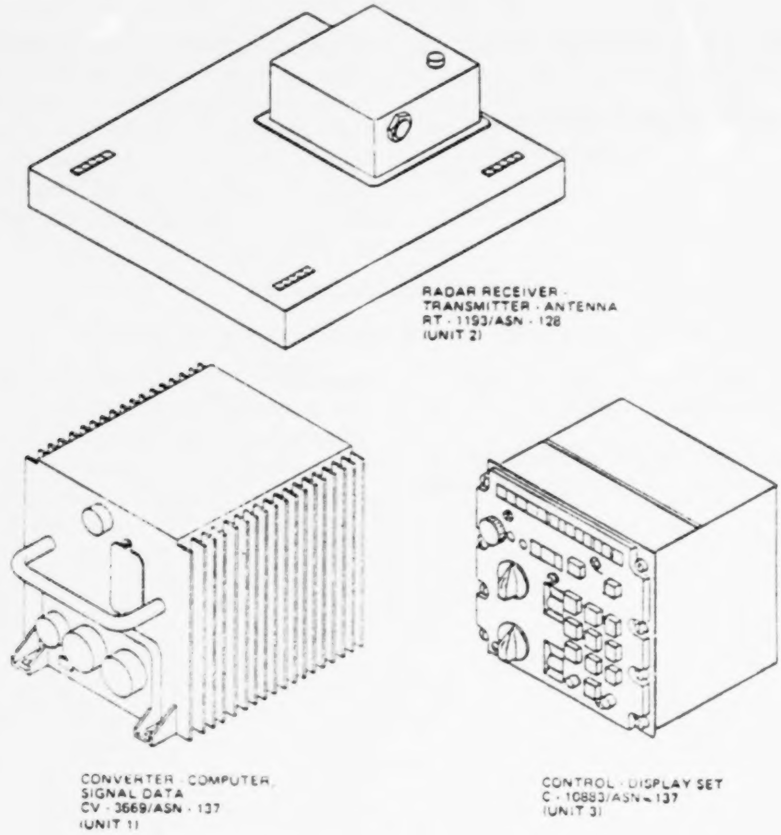

RADAR RECEIVER - TRANSMITTER - ANTENNA
RT - 1193/ASN - 128
(UNIT 2)
CONVERTER - COMPUTER, SIGNAL DATA
CV - 3669/ASN - 137
(UNIT 1)
CONTROL - DISPLAY SET
C - 10883/ASN - 137
(UNIT 3)

Figure 85. AN/ASN–137 Doppler Navigation Set

1. Brief Description: The AN/ASN–137 is a lightweight, self-contained doppler navigation system. Further details were not available at the time of this printing. Major components are:

C–10883/ASN–137	Control-Display Unit
CV–3669/ASN–137	Signal Data Converter
RT–1193/ASN–128	Receiver-Transmitter-Antenna

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

Applicable technical manual(s) not available at time of this printing.

(Illustration Not Available)

Figure 85.1. AN/ASN–143 Heading Reference System

1. Brief Description: The AN/ASN–143 is an inertial heading reference system that provides aircraft pitch, roll, heading, velocity, angular rate and acceleration data to a related fire control system. The AN/ASN–143 also augments the capabilities of the AN/ASN–128 Doppler Navigation System. Further information was not available at the time of this printing.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defines at the time of this printing.

(Illustration Not Available)

Figure 85.2. AN/ASQ–170 Target Acquisition and Designation Sight

1. Brief Description: The AN/ASQ–170 Target Acquisition and Designation Sight installed on the AH–64 aircraft provides the copilot/gunner with day/night target acquisition by means of direct view optics, day television, and/or forward looking infrared sensors. Further details are not available.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

(Illustration Not Available)

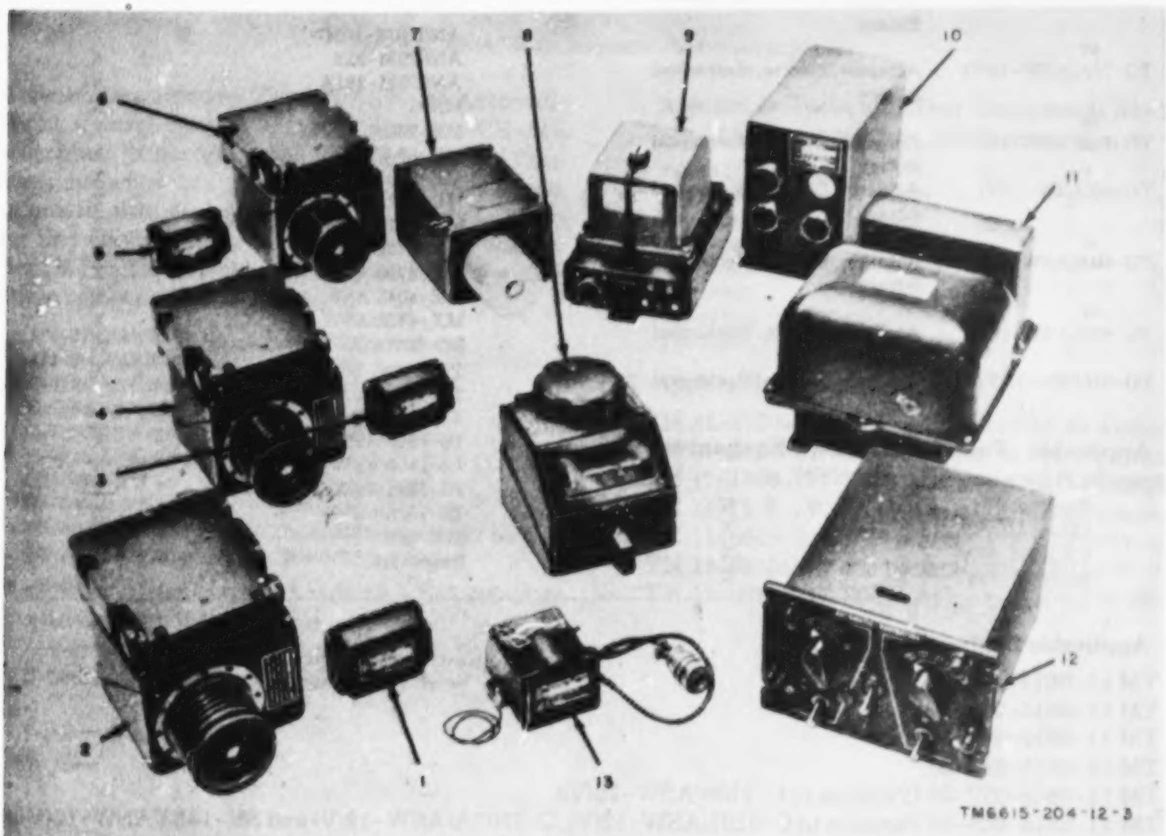
Figure 85.3. Radio Set, Airborne, Position Locating Reporting System

1. Brief Description: The AN/ASQ–177(V) is an automatic data communications or manually entered plain test data system, displayed on the Pilot Control Display Panel (PCDP). Designed for installation in fixed and rotary wing aircraft, it operates from aircraft power and in conjunction with AN/TSQ–129, allows the airborne user to request position location and navigation data relative to itself or other PLRS users. Oper power requirements: 22.5 to 28 VDC, 20 watts. Major components are:

AS–3446/ASQ–177(V)	Antenna
AS–3447/ASQ–177(V)	Antenna (5826–01–167–6024)
C–10829/ASQ–177(V)	Control-Display Panel (5895–01–179–5515)
CN–1547/ASQ–177(V)	Voltage Regulator (6110–01–172–5353)
MT–6143/ASQ–177(V)	Mount
MT–6144/ASQ–177(V)	Mount
RT–1343/TSQ–129	Receiver-Transmitter (5895–01–177–0791)

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.



1 **Calibration Unit MX-2917/ASW-12(V)**
2 **Actuator, Electro-Mechanical, Rotary TG-78/ASW-12(V)**
3 **Calibration Unit MX-2918/ASW(V)**
4 **Actuator, Electro-Mechanical, Rotary TG-79/ASW-12(V)**
5 **Calibration Unit MX-2919/ASW-12(V)**
6 **Actuator, Electro-Mechanical, Rotary TG-80/ASW-12(V)**
7 **Actuator, Electro-Mechanical, Rotary TG-81/ASW-12(V)**
8 **Controller, Flight, Automatic Pilot C-3107/ASW-12(V)**
9 **Control, Altitude, Automatic Pilot C-3106/ASW-12(V)**
10 **Control, Attitude, Reference C-3108/ASW-12(V)**
11 **Gyroscope, Displacement CN-601/ASW-12(V)**
12 **Coupler, Navigational CU-792/ASW-12(V)**
13 **Accelerometer, Aircraft MX-2916/ASW-12(V)**

Figure 86. AN/ASW-12(V)2 Automatic Flight Control System

1. Brief Description: The AN/ASW-12(V)2 is a three-axis system which provides automatic flight control for fixed wing aircraft. The flight control functions include automatically stabilized or pilot-commanded roll, pitch, yaw and altitude control. The automatically stabilized controls also provide automatic steering control from interconnected navigation equipment that may be installed in the aircraft. The input power requirements are 27.5 volts DC at 9.7 amps and 115 volts, 3-phase AC, 400 Hz, at 75 watts. Major components of the AN/ASW-12(V)2 are:

C-3106/ASW-12(V)	Control, Altitude Automatic Pilot
C-3107/ASW-12(V)	Controller, Flight Automatic Pilot
or	
C-3107A/ASW-12(V)	Controller, Flight Automatic Pilot
C-3108/ASW-12(V)	Control Attitude, Reference
or	
C-3108A/ASW-12(V)	Control Attitude, Reference
CN-601/ASW-12(V)	Gyroscope, Displacement
or	
CN-601A/ASW-12(V)	Gyroscope, Displacement
CU-792/ASW-12(V)	Coupler Navigation
MX-2916/ASW-12(V)	Accelerometer, Aircraft
or	
MX-2916A/ASW-12(V)	Accelerometer, Aircraft
MX-2917/ASW-12(V)	Calibration Unit
MX-2918/ASW-12(V)	Calibration Unit
MX-2919/ASW-12(V)	Calibration Unit

TG-78/ASW-12(V)	Actuator, Electro, Mechanical Rotary
or	
TG-78A/ASW-12(V)	Actuator, Electro, Mechanical Rotary
or	
TG-78B/ASW-12(V)	Actuator, Electro, Mechanical Rotary
TG-80/ASW-12(V)	Actuator, Electro, Mechanical Rotary
or	
TG-80A/ASW-12(V)	Actuator, Electro, Mechanical Rotary
or	
TG-80B/ASW-12(V)	Actuator, Electro, Mechanical Rotary
TG-81/ASW-12(V)	Actuator, Electro, Mechanical Rotary

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AM-3261/ASW-12			X
AN/ASM-80A	X		X
AN/ASM-125		X	X
AN/URM-105C	X		
AN/USM-223		X	X
AN/USM-281A			X
MB-1		X	X
ME-26D/U		X	X
ME-30A/U		X	X
ME-223/U			X
ME-227/U		X	X
MX-3719/ASW-12			X
MX-3722/ASW-12			X
MX-3723/ASW-12			X
MX-4043/ASW-12			X
MX-4708/ASW-12			X
RO-207/ASW-12			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1656/ASW-12			X
TS-1659/ASW-12			X
TS-1661/ASW-12			X
TS-1836B/U			X
ZM-16/U			X
Stopwatch	X	X	X

3. Applicable Publications:

TM 11-6615-204-12
TM 11-6615-204-20P
TM 11-6615-204-34P
TM 11-6615-204-35
TM 11-6615-227-35 (Pertains to C-3106/ASW-12(V))
TM 11-6615-228-35 Pertains to C-3107/ASW-12(V), C-3107A/ASW-12(V) and SB-1453/ASW-12(V)))
TM 11-6615-229-35 (Pertains to C-3108/ASW-12(V), C-3108A/ASW-12(V) and C-3921/ASW-12(V))
TM 11-6615-230-34P Pertains to CN-601/ASW-12(V) and CN-601A/ASW-12(V))
TM 11-6615-230-35 (Pertains to CN-601/ASW-12(V) and CN-601A/ASW-12(V))
TM 11-6615-231-34P (Pertains to CU-792/ASW-12(V))
TM 11-6615-231-35 (Pertains to CU-792/ASW-12(V))
TM 11-6615-232-35 (Pertains to Actuators)
TM 11-6615-233-34 (Pertains to Accelerometers)

(Illustration not available)

Figure 87. AN/ASW-29 Automatic Flight Control System

1. Brief Description: The AN/ASW-29 Automatic Flight Control System is installed on the CH-54A helicopter. It provides automatic flight control functions, including attitude and heading stabilization, automatic altitude control as well as automatic steering and engine speed control. Power input requirement is 115/230 volts AC, 3 phase, 400 Hz. Major electronic components are as follows:

AM-2782/ASW-29	Amplifier
AM-4802/ASW-29	Amplifier
C-7263/ASW-29	Control
C-7264/ASW-29	Control
C-7265/ASW-29	Control
C-7266/ASW-29	Control
HD-769/ASW-29	Dehydrator Unit
ID-1464/ASW-29	Indicator
SN-409/ASW-29	Transmitter Synchro (2 each)
SN-410/ASW-29	Transmitter Synchro

The following items are used with the AN/ASW-29 to operate as a complete system:

C-7267/ASW	Hydraulic Servovalve
C-7268/ASW	Hydraulic Servovalve

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-329		X	X
AN/ASM-330	X	X	X
AN/URM-105	X		
ME-30A/U		X	X
TK-100/G		X	X
TK101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-1520-217-20 (Pertains to CH-54 aircraft)
TM 11-1520-217-20P (Pertains to CH-54 aircraft)
TM 11-1520-217-34P (Pertains to CH-54 aircraft)
TM 11-1520-217-35 (Pertains to CH-54 aircraft)
TM 11-6615-241-20P (Pertains to AN/ASW-29)
TM 11-6615-241-34P (Pertains to AN/ASW-29)
TM 11-6615-241-35 (Pertains to AN/ASW-29)

(Illustration not available)

Figure 88. AN/AVR-2 Laser Detecting Set

1. Brief Description: The AN/AVR-2 Laser Detecting Set (LDS) is an airborne passive laser warning system which receives, processes, and displays threat information resulting from aircraft illumination by lasers. The threat information is displayed on the AN/APR-39( ) Radar Detecting Set indicator. Major components of the AN/AVR-2 are:

CM-493/AVR-2	Interface/Comparator
SU-130/AVR-2	Sensor (2 each)

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
TS-3720/AVR-2	X	
TS-3723/AVR-2		X

NOTE

Other tool and test equipment requirements were not defined at the time of this printing.

3. Applicable Publications:

TM 11-5841-290 Series (To be published)

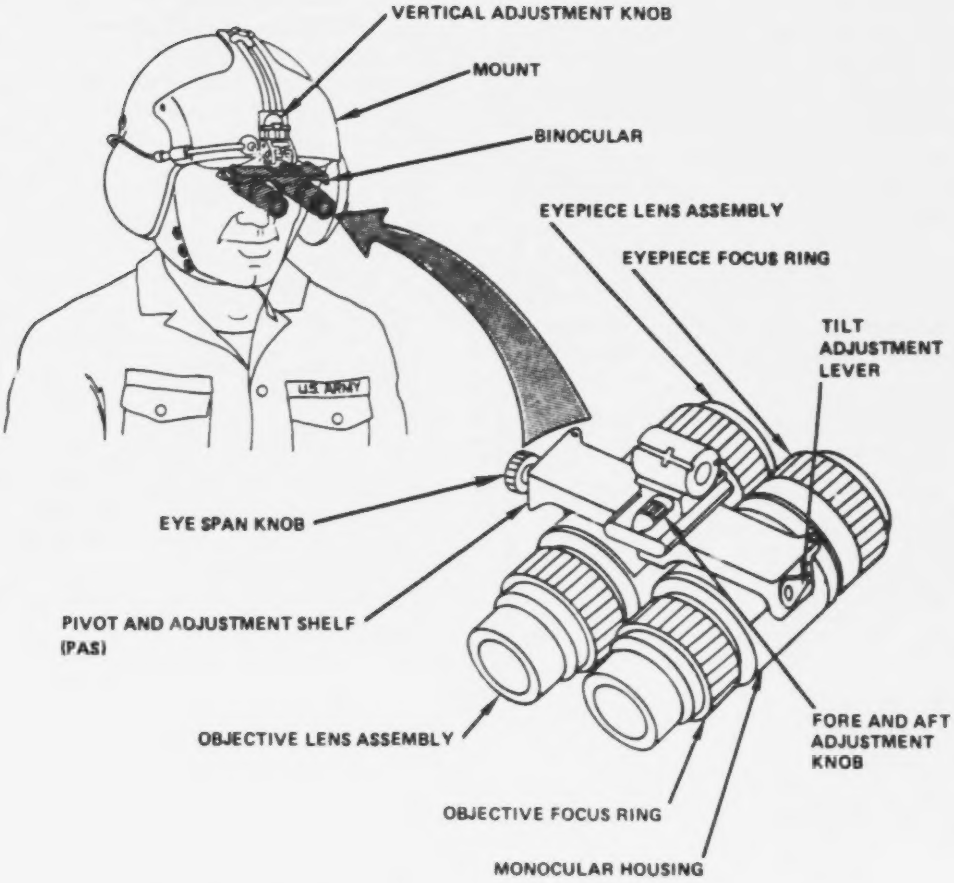

VERTICAL ADJUSTMENT KNOB
MOUNT
BINOCULAR
EYEPIECE LENS ASSEMBLY
EYEPIECE FOCUS RING
TILT ADJUSTMENT LEVER
EYE SPAN KNOB
PIVOT AND ADJUSTMENT SHELF (PAS)
OBJECTIVE LENS ASSEMBLY
FORE AND AFT ADJUSTMENT KNOB
OBJECTIVE FOCUS RING
MONOCULAR HOUSING
US ARMY

Figure 88.1. AN/AVS-6(V)1 Aviators Night Vision Imaging System (ANVIS)

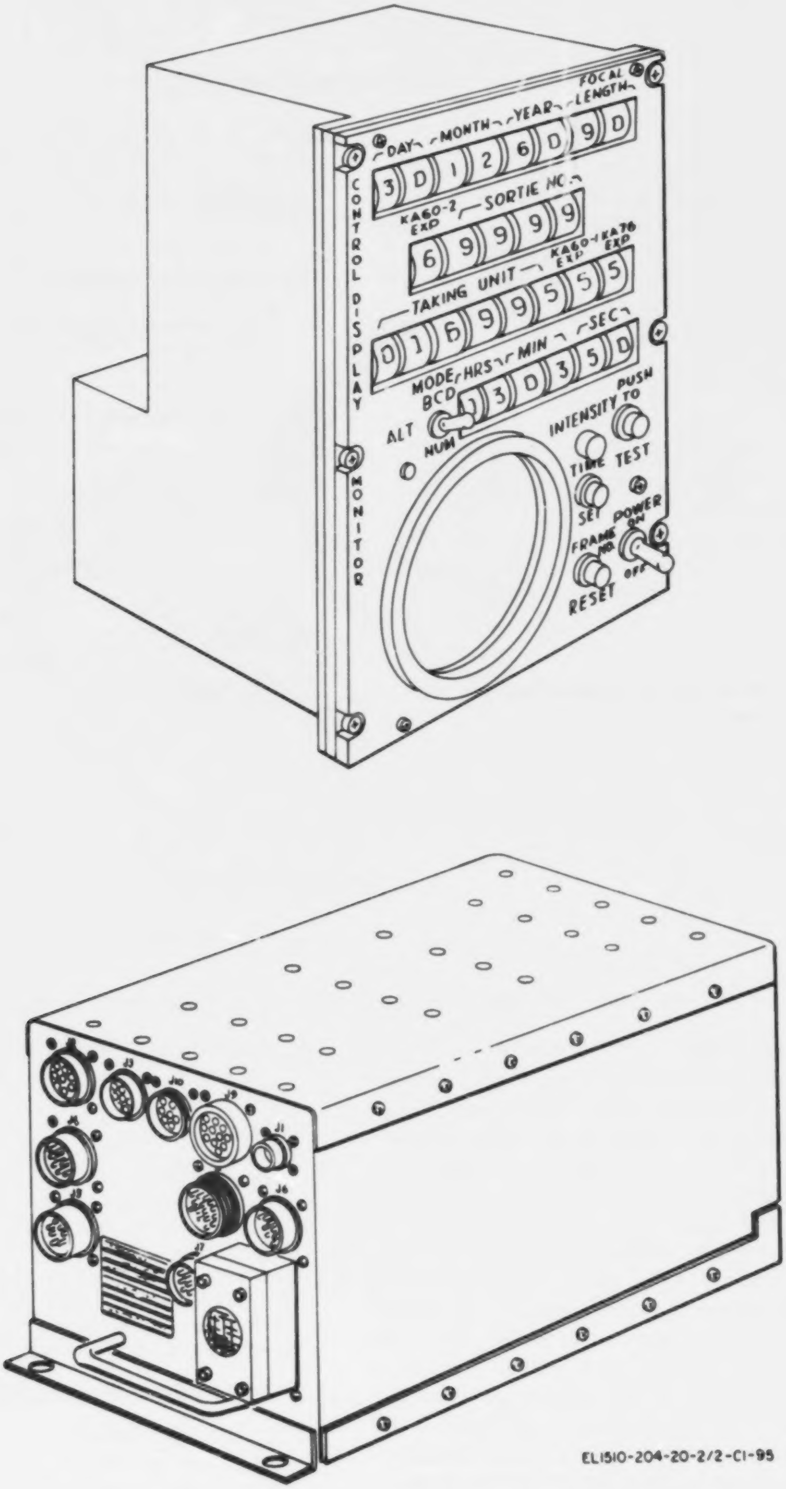
1. Brief Description: The AN/AVS–6(V)1 and AN/AVS–6(V)2 are self-contained night vision viewing systems developed expressly for aviators. They utilize the so-called "third generation" photocathode technology that allows for a lower luminance level and produces greater resolution than the AN/PVS–5 ( ) Night Vision Goggles. Design of these systems is such that it allows the aviator to view the instrument panel with the unaided eye while maintaining night vision capability outside the cockpit. The major difference between the systems is in how the unit mounts to the standard SPH–4 helmet. The (V)1 version mounts directly to the helmet whereas the (V)2 has an offset mount allowing it to attach to the SPH–4 helmet modified with the helmet mounted. Both units are powered by a BB–5567/U battery.

2. Applicable Tools and Test Equipment:

Type No.	*O (AVUM)*	*F/H (AVIM)*
TK–101/G	X	
TK–105/G		X
TS–3895/UV	X	X
5003230(Collimation Attch		X
5003246(Diopter Scope)		X
5003423(Spanner Wrench		X
5003424(Tube Retainer Tool)		X
BB–N–41(Nitrogen)		X
SM–B–657451(Purge Adapter)		X
SC–4931–95CL–J54(Purging Kit)		X

3. Applicable Publications:

TM 11–5855–263–10
TM 11–5855–263–20
TM 11–5855–263–30


CONTROL DISPLAY MONITOR
DAY
MONTH
YEAR
FOCAL LENGTH
3 0 1 2 6 0 9 0
KA60-2 EXP
SORTIE NO
6 9 9 9 9
TAKING UNIT
KA60-1 EXP
KA76 EXP
0 1 6 9 9 5 5 5
MODE
BCD
HRS
MIN
SEC
1 3 0 3 5 0
ALT
NUM
INTENSITY
PUSH TO TEST
TIME SET
POWER ON OFF
FRAME NO. RESET
J3
J10
J9
J1
J5
J6
J2

EL1510-204-20-2/2-C1-95

Figure 88.2. AN/AYA–10 Airborne Data Annotation System

1. Brief Description: The AN/AYA–10 Airborne Data Annotation System (ADAS) is a two unit miniaturized system which automatically converts digital and analog input signals to voltages suitable for information display on cathode ray tubes which in turn transcribe the data onto imagery from each sensor. It also provides a means for programming input signals and for visual monitoring of converted input signals. The AN/AYA–10 Airborne Data Annotation System is compactly integrated into two equipments: a control display monitor and signal data converter; CDM and SDC, respectively. The AN/AYA–10 ADAS operates in conjunction with the surveillance systems of the OV–1D aircraft. From the INS, data concerning northing, easting, groundspeed, drift angle, roll, pitch, radar altitude and barometric altitude are supplied to the ADAS which then annotates the data on the KA–60(C), KA–76, APS–94D, and AAS–24 imagery. Signal information is also supplied from the two KA–60(C)'s, the KA–76, the IR surveillance and SLAR so that the data annotation is on the appropriate frames. Programed fixed data such as calendar date, time of day, exposure, taking unit, sortie number, and mode can be put into the ADAS system. The ADAS automatically indexes the film records by annotating data appropriate to the conditions at the time of indexing. The data can be put on the film in either alphanumeric format (AN), binary coded decimal format (BCD), or alternating AN/BCD format. All indexing is in block form. The CDM contains a storage battery that is used to insure an accurate constant clock count during temporary power fluctuations in the aircraft 28 volt supply. Major components of the AN/AYA–10 are as follows:

C–8338/AYA–10	Control Display Monitor
CV–2647/AYA–10	Signal Data Converter
MT–4539/AYA–10	Mount (CV–2647)

The following items are used with, but are not a part of, the AN/AYA–10:

IP–1080/AYA	Digital Display Indicator
TR–253/AYA	Barometric Altimeter Transducer

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/AYM–8		*X*	*X*
AN/AYM–9		*X*	*X*
AN/URM–105C	*X*		
AN/USM–207A			*X*
AN/USM–223		*X*	*X*

Type No.	*O*	*F*	*H*
AN/USM-281C		X	X
ME-202B			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
MS3191-1			X
M15500-25-2			X
M15570-16			X
M15570-20			X
M15513-22A			X
M15515-22P/A			X
Screw Driver, Special		X	X

3. Applicable Publications:

TM 11-5850-242-12
TM 11-5850-242-20P
TM 11-5850-242-34
TM 11-5850-242-34P
TM 11-5850-242-ESC

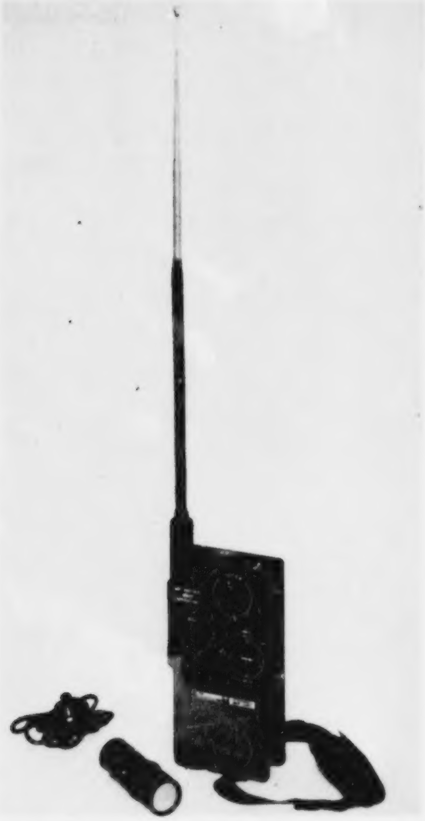


Figure 89. AN/PRC-90 Radio Set

1. Brief Description: Radio Set AN/PRC-90 is an emergency locator transceiver used by aircrew members for communication with search and rescue ships, vehicles, or aircraft with compatible radio equipment. The AN/PRC-90 will receive and transmit AM voice signals on 282.8 MHz and voice, MCW and beacon signals on 243.0 MHz. This set is powered by a 14.0 volt battery (BA-1568/U) with maximum life of 14 hours in the beacon mode. Power output is 500 mw in the Beacon and MCW mode and 400 mw in the voice mode. An earphone is included in an attached polyvinyl container for use when the speaker output is not desired.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/PRM-32A	X	X
AN/URM-145B		X
AN/USM-44C		X
AN/USM-281C		X
AN/USM-451		X
AN/USM-459		X
CN-1285/U		X
ME-26D/U		X
MX-8801/PRC-90	X	X
TK-100/G		X
TK-101/G	X	
TS-2530( )/UR	X	

NOTE

Maintenance of the AN/PRC-90 is limited to replacement of external parts. Repair and overhaul will be accomplished by the Air Force under a Depot Maintenance Interservice Support Agreement. Refer to TM 11-5820-800-12 for details.

3. Applicable Publications:

TM 11-5820-800-12

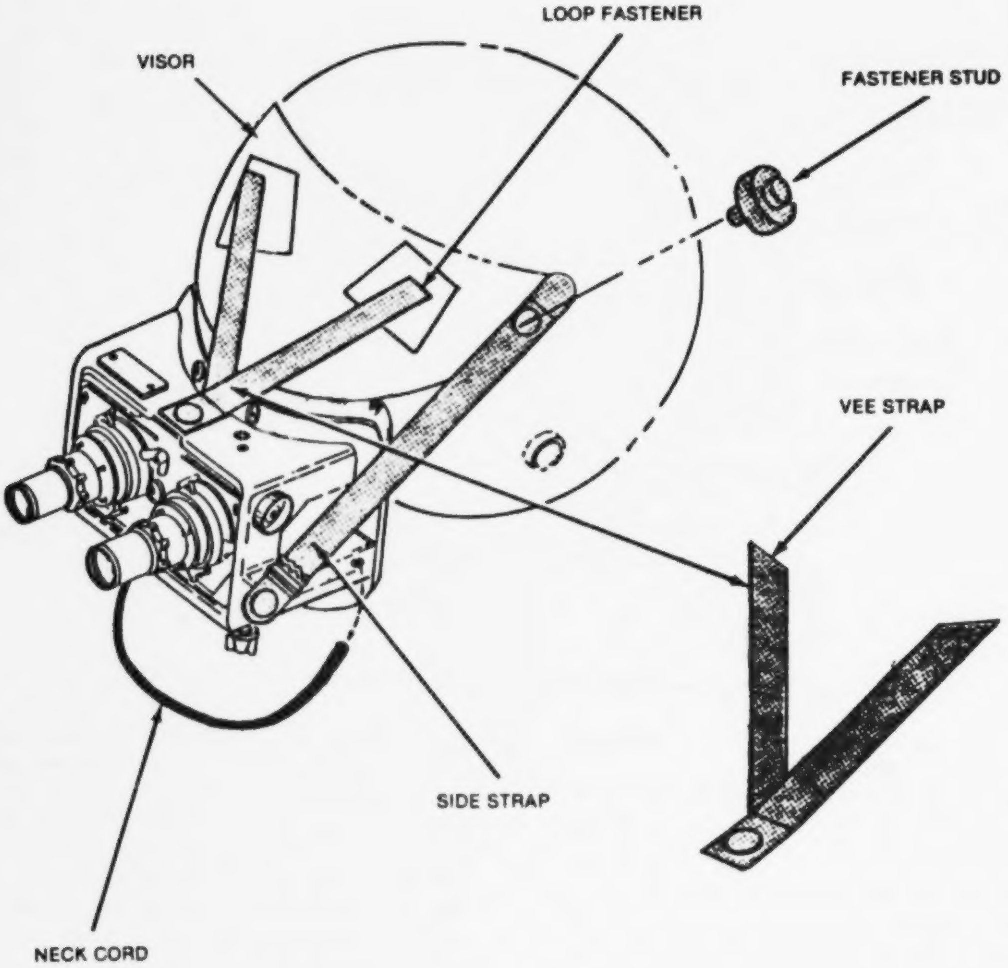


Figure 89–1. AN/PVS–5 Night Vision Goggles

1. Brief Description: The AN/PVS–5( ) Night Vision Goggles provide improved night vision using available light from the night sky. An auxiliary infrared light source provides illumination for close–up work when ambient light is inadequate. The AN/PVS–5 and AN/PVS–5A are functionally identical and differ only in the mechanical design of the eyepiece assembly and the threaded interface between the eyepiece assembly and the image intensifier assembly. The eyepiece and image intensifier assemblies are not interchangeable, but all other parts and assemblies are. Both models are powered by a BA–1567/U battery.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/USM–223			X
TK–105/U		X	X
TS–3895/UV	X	X	X
SM–B–657451			X
5003230			X
5003246			X
5003423			X
Tool, Insert/ Extractor			X
Wrench, Spanner			X

NOTE

Refer to TM 11–5855–238–20 for special tool requirements.

3. Applicable Publications:

TM 11–5855–238–10
TM 11–5855–238–20
TM 11–5855–238–24&P

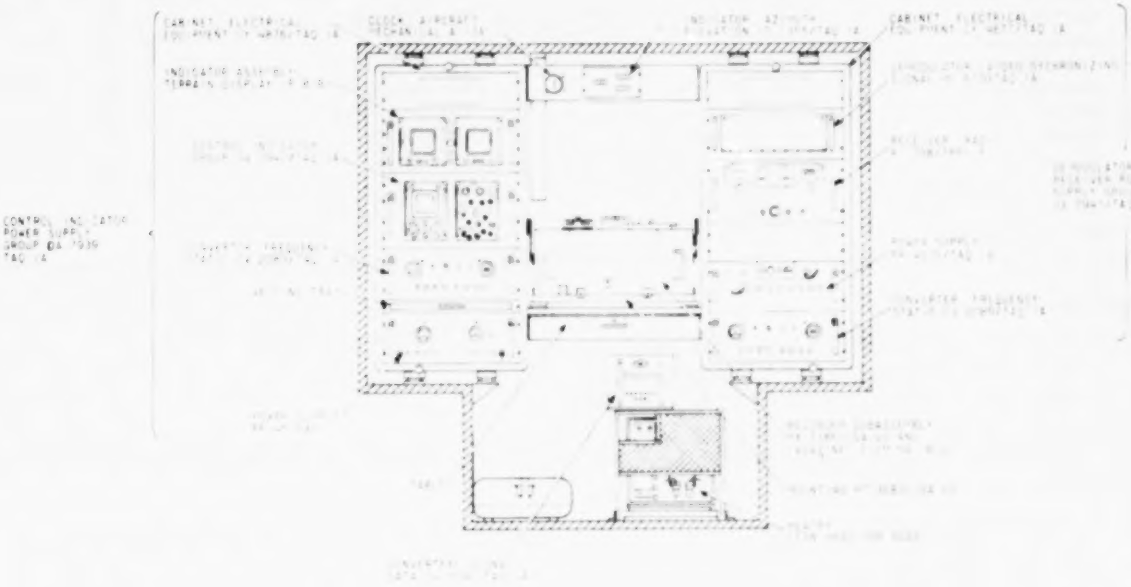


Figure 90. AN/TAQ-1A Surveillance Information Center

1. Brief Description: The AN/TAQ-1( ) surveillance information center is the ground component of the AN/UAS-4A. The surveillance information center receives telemetered signals from the airborne components of the infrared surveillance system in the aircraft. The intelligence is separated from the frequency modulated carrier and processed by the components of the surveillance information center. The processed intelligence is presented as a visual display and a permanent film (record). Major components of the AN/TAQ-1( ) are as follows:

AN/USA-23( ) Surveillance System Recorder Group (AN/TAQ-1A only):

CY-4811/U	Transit Film Magazine (2 each)
MA-18/U	Film Magazine (2 each)
MT-3583/USA-23	Mount
MX-7186/USA-23	Recorder Subassembly

AN/VRC-46 Communication Set:

AS-1729/VRC	Antenna
RT-524/VRC	Receiver-Transmitter

AT-1085/TRR-15 Antenna

CV-2090/TAQ-1A Signal Data Converter

ID-1355/TAQ-1A Azimuth-Elevation Indicator

MK-913/G Imagery Analyzer Kit:

AR-95A	Still Picture Viewer
CY-4879/G	Analyzer Kit Case

OA-7939/TAQ-1A Control Indicator Power Supply Group:

CV-2089/TAQ-1A	Static Frequency Converter
CY-4876/TAQ-1A	Electrical Equipment Cabinet
IP-808/U	Terrain Display Indicator (2 each)
IP-818/U	Terrain Display Indicator Assembly
OA-7940/TAQ-1A	Control-Indicator Group
IP-807/U	Calibration-Indicator
SB-2767/TAQ-1A	Control Panel
PP-4515/G	Power Supply

OA-7941/TAQ-1A Demodulator-Receiver Power Supply Group:

CV-2089/TAQ-1A	Static Frequency Converter
CY-4877/TAQ-1A	Electrical Equipment Cabinet
MD-679/TAQ-1A	Video Signal Synchronizing Demodulator
PP-4516/G	Power Supply
R-1098/TRR-15	Radio Receiver

OA-8047/TAQ-1A Antenna Support Group

OA-5226/TAQ-1B Recorder, Processor-Viewer (AN/TAQ-1B only)

PP-4538/G Power Supply:

CY-4878/G	Electrical Equipment Cabinet
PP-4515/G	Power Supply

S-318/G Shelter

TA-312/PT Telephone Set

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/AAM-26	X	X	
AN/UAM-11		X	X
AN/UAM-12		X	X
AN/URM-70		X	X
AN/URM-105C	X		
AN/URM-127		X	X

Type No.	*O*	*F*	*H*
AN/USM-44B		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
ME-26D/U		X	X
ME-65/U			X
ME-202/U		X	X
MK-953( )/UAS-4A		X	X
SG-92/U			X
SM-454/TAQ-1A	X	X	X

Type No.	*O*	*F*	*H*
TF-171/USM			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TK-191/UAS-4		X	X
TS-723D/U			X
TS-1836B/U			X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5850-217-35 (Pertains to AN/UAS-4A)
TM 11-5895-386-12 (Pertains to AN/TAQ-1A/B)
TM 11-5895-386-20P (Pertains to AN/TAQ-1A/B)
TM 11-5895-386-35 (Pertains to AN/TAQ-1A/B)
TM 11-5895-386-35P (Pertains to AN/TAQ-1A/B)
TM 11-5895-386-ESC (Pertains to AN/TAQ-1A/B)

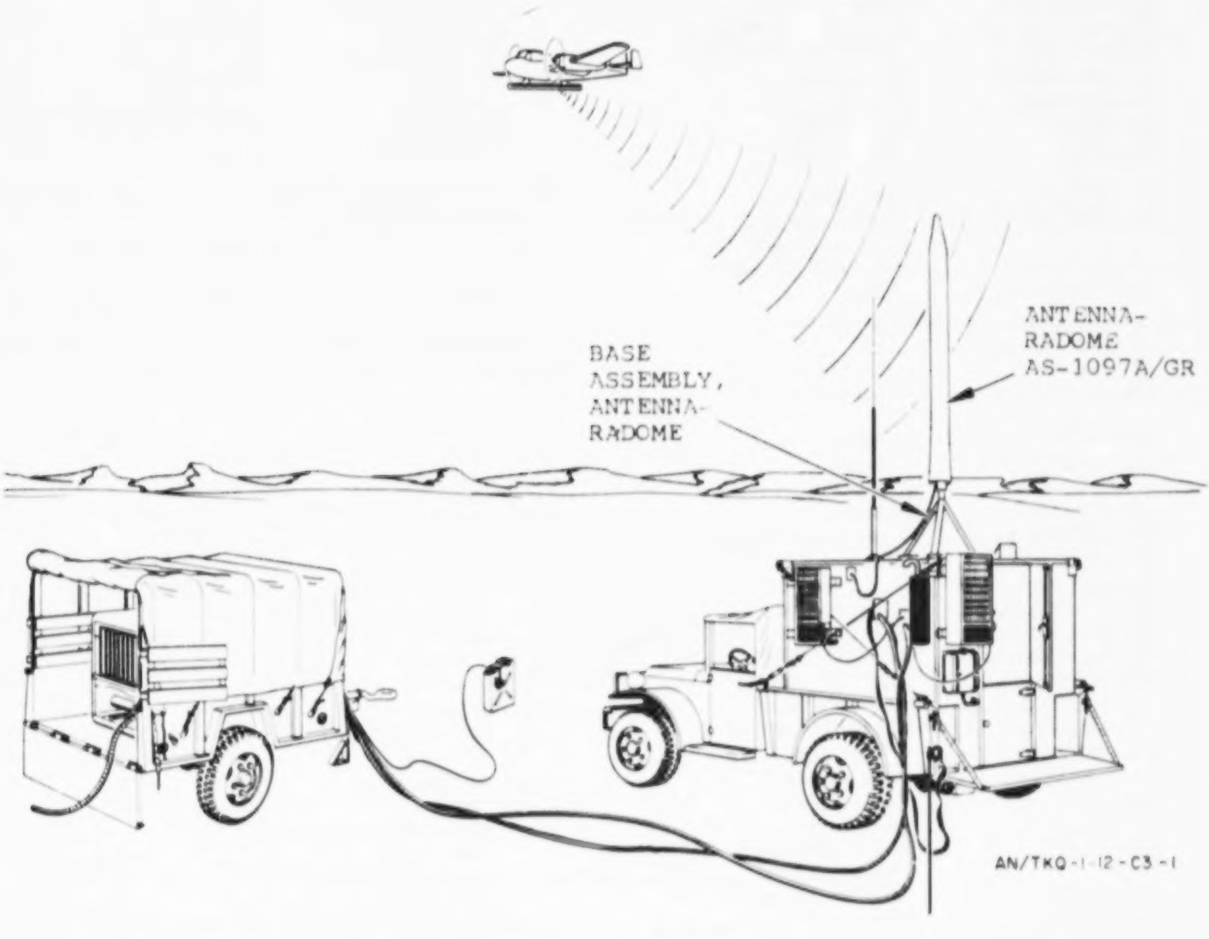


Figure 91. AN/TKQ-2 Radar Data Receiving Set

1. Brief Description: Radar Data Receiving Set AN/TKQ-2( ) is the ground based portion of the data transfer system AN/UPD-2( ). The airborne portion consists of the AN/APS-94( ) and AN/AKT-18( ). Fixed and moving target information from the AN/APS-94( ) is encoded by the AN/AKT-18( ) and transmitted to the AN/TKQ-2( ) which demodulates and decodes the signals and produces a permanent photographic film radar map of terrestial fixed and moving targets. In addition, the filmstrip shows aircraft ground speed, drift angle, heading information, time of flight and any other information that may be manually entered. During operation of the AN/TKQ-2( ), the moving filmstrip is continuously exposed and developed and then routed through a film illumination assembly where it can be viewed and analyzed within minutes after the airborne radar passes over the area under operation. Input power requirement is 120 volts AC, 400 Hz, 3 phase at approximately 6000 watts. There are three configurations on the AN/TKQ-2( ) and they are used with different models of the AN/APS-94( ) and AN/AKT-18( ) to comprise a radar surveillance system (refer to data sheets for AN/UPD-2 and AN/UPD-7).

Major components of the AN/TKQ-2 are:

AB-924/TKQ-2	Mast
AS-1097A/GR	Antenna-Radome
AS-1729/VRC	Antenna
or	
AT-912/VRC	Antenna
CV-2093/TKQ-2	Signal Data Converter-Storer
IP-795/TKQ-2	Radar Target Indicator
KY-564/TKQ-2	Video Decoder
MT-1029/VRC	Mount (RT-524/VRC)
MT-3461/TKQ-2	Mount (R-1335/G or R-1335A/G)
MT-3462/TKQ-2	Mount (KY-564/TKQ-2)
MT-3463/TKQ-2	Mount (PP-4338/TKQ-2)

MT-3464/TKQ-2	Mount (IP-795/TKQ-2)
MT-3471/TKQ-2	Mount (PP-4339/TKQ-2)
MT-3616/TKQ-2	Mount (CV-2093/TKQ-2)
PP-4338/TKQ-2	Power Supply
PP-4339/TKQ-2	Power Supply
PP-6305/G	Power Supply
R-1335/G	Radio Receiver
or	
R-1335A/G	Radio Receiver
RO-166B/UP	Radar Mapping Recorder-Processor-Viewer
RT-524/VRC	Receiver-Transmitter
S-339/TKQ-2	Shelter

Major components of the AN/TKQ-2A are:

AB-924/TKQ-2	Mast
AN/USM-281E	Oscilloscope
AS-1097A/GR	Antenna-Radome
or	
AT-197/GR	Antenna
AS-1729/VRC	Antenna
or	
AT-912/VRC	Antenna
IP-1236/TKQ-2A	Radar Target Indicator
KY-564A/TKQ-2	Video Decoder
MT-1029/VRC	Mount (RT-524)
MT-3461/TKQ-2	Mount (R-1335)
MT-3462/TKQ-2	Mount (KY-564)
MT-3463/TKQ-2	Mount (PP-4338)
MT-3464/TKQ-2	Mount (IP-1236)
MT-3471/TKQ-2	Mount (PP-4339)
MT-4803/TKQ-2A	Mount (AN/USM-281)
PP-4338/TKQ-2	Power Supply
PP-4339/TKQ-2	Power Supply
PP-6305/G	Power Supply
R-1335A/G	Radio Receiver
RO-166F/UP	Radar Mapping Recorder-Processor-Viewer
RT-524/VRC	Receiver-Transmitter
S-339B/TKQ-2	Shelter

Major components of the AN/TKQ-2B are:

AB-924/TKQ-2	Mast
AN/ARC-164(V)12	Radio Set
AN/USM-281C	Oscilloscope
AS-1097A/GR	Data Antenna
or	
AT-197/GR	Data Antenna
AT-912/VRC	Antenna
or	
AS-1729/VRC	Antenna
CY-7760/U	Storage Case
KY-871/TKQ-2B	Video Decoder
MK-1951/TKQ-2B	Accessory Kit
MT-1029/VRC	Mount (RT-524)
MT-6052/TKQ-2B	Mount (KY-871)
PP-6305/G	Power Supply
RO-495/U	Recorder-Processor-Viewer
RT-524/VRC	Receiver-Transmitter
S-606/TKQ-2B	Shelter

The following equipments or equivalent are used with the AN/TKQ-2:

PU-107A/U	Gasoline Generator Set
or	
PU-375B/G	Gasoline Generator Set

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GKM-2A	X		
• AN/GSM-64B		X	X
• AN/UKM-5		X	X
AN/UPM-15A			X
AN/URM-70		X	X
AN/URM-105	X		
AN/URM-127		X	X
AN/USM-44A		X	X
AN/USM-207A			X
AN/USM-281C		X	X
CN-16/U		X	X
CN-796/U			X
• DA-638/U		X	X
ME-26B/U		X	X
ME-30A/U			X
ME-202/U			X
MK-772/U		X	X
MK-1148/TKQ-2	X		
MX-2517/U			X
• OQ-63A/APS-94D		X	X
SG-299B/U			X
SG-321/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723/U			X
TS-1836/U			X
TV-7D/U		X	X
Stopwatch			X

NOTE

Refer to the individual data sheet for tools and test equipment applicable to the AN/ARC-164(V)12.

3. Applicable Publications:

TM 11-5840-294-12 (Pertains to AN/TKQ-2, 2A)
TM 11-5840-294-35/1 (Pertains to AN/TKQ-2, 2A)
TM 11-5840-294-35/2 (Pertains to AN/TKQ-2, 2A)
TM 11-5840-294-35P (Pertains to AN/TKQ-2, 2A)
TM 11-5840-294-35P-1 (Pertains to AN/TKQ-2, 2A)
TM 11-5840-361-12 (Pertains to AN/TKQ-2B)

• Applicable to AN/TKQ-2B only.

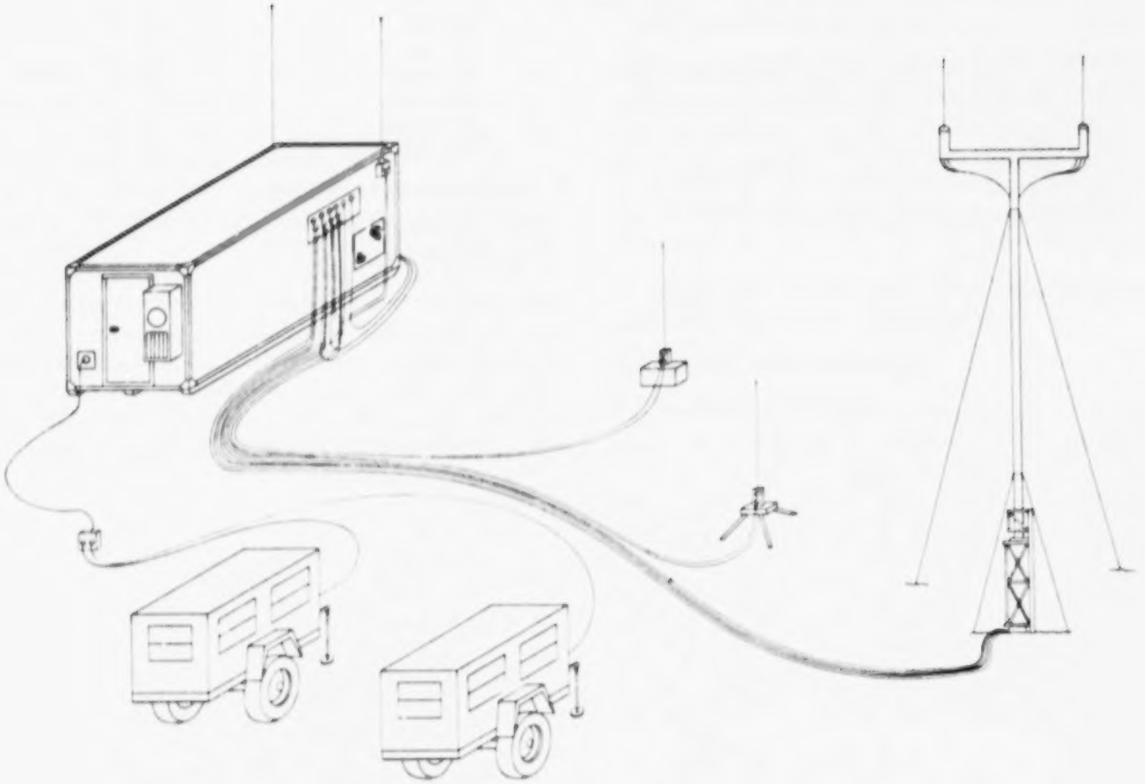


Figure 92. AN/TSC-61B Flight Coordination Center

1. Brief Description: The AN/TSC-61B is a transportable unit that provides facilities for air traffic coordination, warning air defense identification, and in-flight assistance within an assigned zone of responsibility, on a continuous basis. Altitude, time, and distance flight plan data for airborne aircraft can also be coordinated in the AN/TSC-61B. This system usually functions as an intermediary or extension of a flight operations control which serves as the main traffic control facility of the enroute system. It provides air-to-ground communication with VHF-FM, UHF-AM, VHF-AM, and HF-AM equipment. Telephone, radioteletype and ground-to-ground radio communications facilities are also provided. The equipment is housed in an air conditioned/heated shelter. It has a power requirement of 120/220 volts AC, 50/60 Hz, 3-phase, 4-wire at approximately 30 KW. The major components of this system are as follows:

AB-577/GRC	Antenna Mast
AB-720/G	Antenna Support Assembly
AB-1256/GRC	Antenna Tripod (2 ea)
AM-6985/TS	Amplifier-Filter
AN/ARC-102	HF-SSB Radio Set
AN/ARC-115A	VHF-AM Radio Set (3 ea)
AS-1729/VRC	Antenna (3 ea)
AS-3243/GRC	Antenna
AS-3244/TS	Antenna
AT-1011/U	Antenna
CU-1658A/A	Antenna Coupler
CY-7658/GRC	Coupler Case
C-1611D-AIC	Intercomm Set
C-8156/ARC	Control-Indicator
C-10417/TS	Control-Indicator Panel (ea)
C-10418/TS	Control-Indicator Panel (3 ea)
C-10419/TSC-61B	Power Supply Control
F-1451/GRC	Bandpass Filter (3 ea)
F-1463/GRC	Bandpass Filter (3 ea)
H-157/AIC	Headset-Microphone (6 ea)
LS-454/U	Loudspeaker (2 ea)
MT-1029/VRC	Mount (3 ea)
MT-3874/U	Mount
PP-7442/G	Power Supply
RT-524A/VRC	VHF-FM Radio Set (3 ea)
RT-1167/ARC-164	UHF-AM Radio Set (3 ea)
S-280A/G	Shelter
TA-248A/TT	Ringing Generator
TA-312/PT	Field Telephone

The following additional item or equivalent is required for use with the AN/TSC-61B:

PU-406/M	Trailer Mounted Power Unit (2 ea)

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/URM-120		X	X
AN/URM-127		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
DA-75/U		X	X
ME-30A/U		X	X
TK-100/G		X	X
TK-101/G	X		
TS-1836/U		X	X
ZM-21B/U		X	X

3. **Applicable Publications:**

TM 11-5895-469-12
TM 11-5895-469-34

(Illustration not available)

Figure 93. AN/TSC-87 Communications Terminal

1. Brief Description: The AN/TSC-87 Communications Terminal is a part of the Guardrail V system and is configured as a transportable communications terminal package in a single case. It receives encrypted teleprinter messages via a simplex RF relay link through the AN/ARW-83(V)4 Airborne Relay Facility (ARF) from the AN/TSQ-105(V)3 Surveillance Information Processing Center (IPF) and will decrypt and print these messages. The AN/TSC-87 also receives/transmits encrypted voice messages from the IPF via a second half duplex ARF relay link. The RT-1167/ARC-164 UHF radios are used for both the simplex TTY link and the half duplex voice link. The activation of an audible alarm and a light will indicate an input call signal. The AN/TSC-87 may be installed in a sheltered area, fixed or mobile provided a suitable antenna site and electrical power are available. A complete list of the components of the AN/TSC-87 is included in applicable Technical Manuals.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-5865-203-13

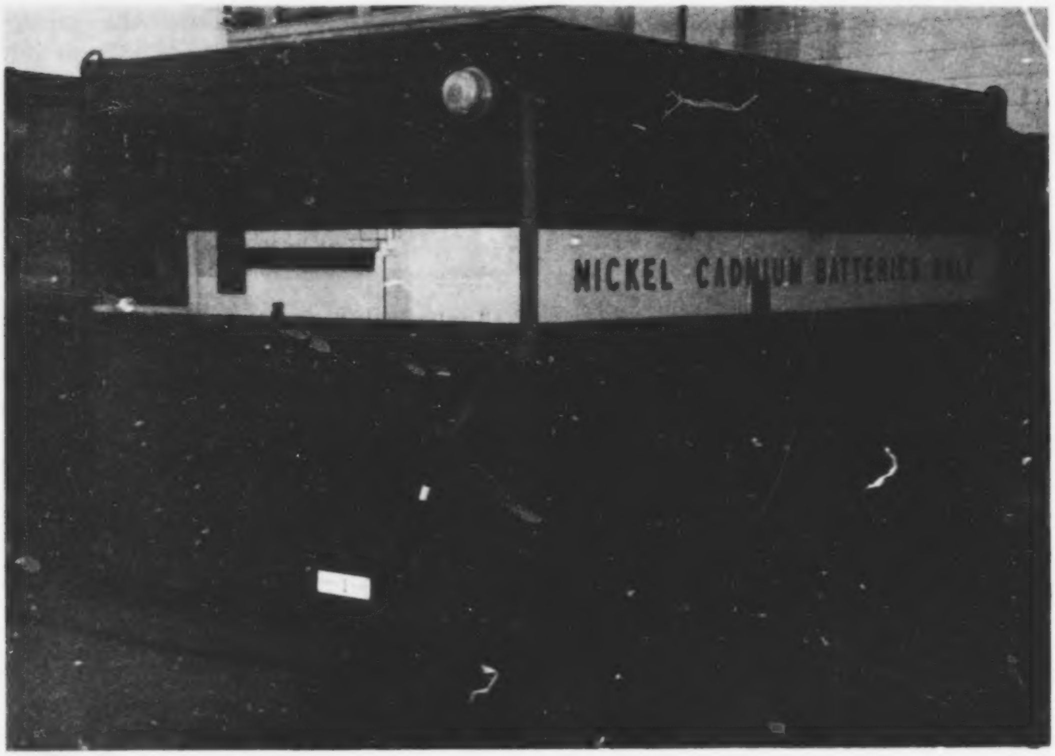
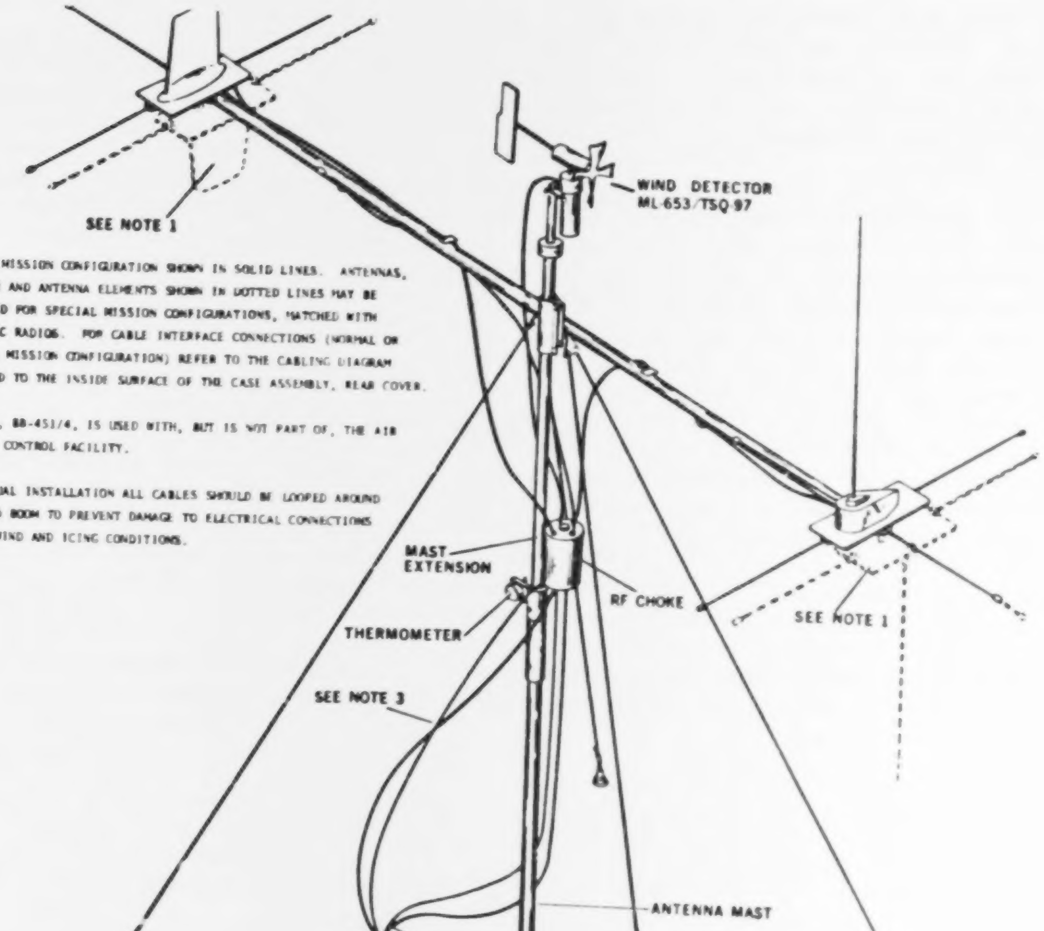


Figure 94. AN/TSM-133 Battery Servicing Shop

1. **Brief Description:** The AN/TSM-133 Battery Servicing Shop is an airmobile and ground transportable unit that provides an environmentally controlled facility for maintenance and servicing of NICAD batteries. The AN/TSM-133 is a basic S-280B/G shelter modified to contain heaters, air conditioners, emergency eyewash and shower fixtures, battery charging compartments, exhaust blowers, hydrogen detector and various accessories and tools required for normal routine battery maintenance and servicing. The facility can accommodate up to four AN/USM-432 charger/analyzers which are issued separately from the AN/TSM-133. External power requirements are 115/208 volts AC, 3φ 50/60 Hz, 100 amperes.

2. **Applicable Tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:** Not defined at the time of this printing.


SEE NOTE 1
WIND DETECTOR ML-653/TSQ-97
MAST EXTENSION
RF CHOKE
SEE NOTE 1
THERMOMETER
SEE NOTE 3
ANTENNA MAST
CONTROL MONITOR C9921/TSQ-97
RADIO 1 AN/ARC-114A
DENSITY ALTITUDE CHART
RADIO 2 AN/ARC-115A
RADIO 3 RT-1167/ARC-164(V)
SEE NOTE 2
ELOST 001

1. NORMAL MISSION CONFIGURATION SHOWN IN SOLID LINES. ANTENNAS, COUPLER AND ANTENNA ELEMENTS SHOWN IN DOTTED LINES MAY BE INCLUDED FOR SPECIAL MISSION CONFIGURATIONS, MATCHED WITH SPECIFIC RADIOS. FOR CABLE INTERFACE CONNECTIONS (NORMAL OR SPECIAL MISSION CONFIGURATION) REFER TO THE CABLING DIAGRAM ATTACHED TO THE INSIDE SURFACE OF THE CASE ASSEMBLY, REAR COVER.

2. BATTERY, BB-451/4, IS USED WITH, BUT IS NOT PART OF, THE AIR TRAFFIC CONTROL FACILITY.

3. FOR ACTUAL INSTALLATION ALL CABLES SHOULD BE LOOPED AROUND MAST AND BOOM TO PREVENT DAMAGE TO ELECTRICAL CONNECTIONS DURING WIND AND ICING CONDITIONS.

Figure 95. AN/TSQ-97 Air Traffic Control Facility

1. **Brief Description:** The AN/TSQ-97 is a (four-person) portable Air Traffic Control Facility for control of air traffic at landing zones in forward areas. It can also be used at any landing zone where Visual Flight Rule control is required. Included in the facility are VHF-AM/FM and UHF-AM communications capabilities, meterological equipment and attendant accessories associated with control of Visual Flight Rule terminal air traffic. Instruments used with the facility indicate wind speed and direction, altitude and real time. The basic facility contains one each Radio Set AN/ARC-114A, AN/ARC-115A, and Receiver-Transmitter RT-1167/ARC-164(V); however, several combinations of these radios may be installed as needed. Cables are supplied to interface security equipment TSEC/KY-38 for X-mode (secure) communications. The facility can also be used with Radio Sets AN/ARC-114(*), AN/ARC-115(*), and AN/ARC-116(*) instead of previously mentioned radios; however, X-mode communications capability does not exist when using the AN/ARC-115(*) and AN/ARC-116(*). The facility can operate from a self contained 24 volt battery or from vehicular power. Major components of the AN/TSQ-97 are:

AN/ARC-114A	Radio Set
AN/ARC-115A	Radio Set
AS-1703/ARC	Antenna (2 ea)
AS-4034/TSQ-97	Antenna Element (12 ea)
AT-1108/ARC	Antenna (2 ea)
C-9921/TSQ-97	Control Monitor
CU-942B/ARC	Antenna Coupler (2 ea)
H-337/TSQ-97	Headset Microphone
M-80C/U	Microphone
ML-653/TSQ-97	Wind Direction and Speed Detector
MX-4430/PRC-47	Battery Adapter
MX-9713/TSQ-97	RF Choke
RT-1167/ARC-164(V)	Radio Set

The following item is used with, but not supplied as part of, the AN/TSQ-97:

BB-451/U	Battery

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64		X	X
AN/URM-120		X	
AN/USM-223	X	X	X
AN/USM-281A		X	X
ME-30A/U		X	X
MK-772/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-421A/U		X	X
TS-1836/U			X

NOTE

Tool and test equipment requirements for the major components of the AN/TSQ-97 are listed on the individual data sheets found elsewhere in this publication.

3. **Applicable Publications:**

TM 11-5895-800-12
TM 11-5895-800-20P
TM 11-5895-800-34

(Illustration not available)

Figure 96. AN/TSQ–105(V)3 Surveillance Information Processing Center

1. Brief Description: The AN/TSQ–105(V)3 Surveillance Information Processing Center is a part of the Guardrail V system and is configured as a transportable facility which provides for the remote control and processing of the signal collection and direction finding (DF) functions of the GRV receiver platforms. It consists of three 8 x 40 ft transportable vans housing 12 collection/DF operator positions. Equipment and facilities for supervision, intercept analysis, DF analysis, analysis reporting, system communications, and built-in test equipment included. A complete list of the components of AN/TSQ–105(V)3 is included in applicable Tech cal Manuals.

2. Applicable Tools and Test Equipmer
Not defined at the time of this printing.

3. Applicable Publications:

TM 11–5865–217–10

(Illustration Not Available)

Figure 96.1. AN/TSQ–129 Master Station, Position Location Reporting System

1. Brief Description: The AN/TSQ–129 is a central processing facility which provides near real time position, location, identification and navigation information for the forces it supports. This system controls the Position Location Reporting System (PLRS) network by performing all calculations, routing all messages and querries, displaying graphically the position of all active PLRS users and transferring data to the command and control system. The unit operates with the AN/ASQ–177 airborne unit to pr vide position location and limited communicatio up to 370 users. Further information is not availab

2. Applicable Tools and Test Equipmen
Not defined at the time of this printing.

3. Applicable Publications: Not defined at th time of this printing.

Figure 97. AN/TSW–7A Air Traffic Control Central

1. Brief Description: Air Traffic Control Central AN/TSW-7A is an air-and ground-transportable system which provides sheltered space for three Air Traffic Controllers and one Supervisor plus appropriate radio and telephone communications equipment. Positions are provided for local data and ground controller functions. Radio communications are provided in the UHF-AM (225.00—399.975 MHz), VHF-AM (116.000—149.975 MHz), VHF-FM (30—75.95 MHz) and HF-AM (2.000—29.999 MHz) frequency bands. There are ten telephone lines and two signal lightguns. Provisions are made to monitor local nav-aids. Major components of the system are as follows:

AN/ARC-102	Radio Set (HF-AM)
AN/ARC-114	Radio Set (3 ea)
AN/ARC-115	Radio Set (3 ea)
AS-1729/VRC	Antenna (VHF-FM) (3 ea)
BB-433/U	Battery
C-7938/TSW-7	Control Telephone Line (2 ea)
C-8157/ARC	Control Indicator (3 ea)
C-10388/TSW-7A	Control Communications Channel (3 ea)
CE20VAL6-208	Environmental Control Unit (2 ea)
CU-1658/A	Antenna Coupler (HF-AM)
CY-7658/GRC	Antenna Coupler Case
F-1253A/TSW-7	Filter VHF-AM (3 ea)
F-1391/TSW-7A	Filter VHF-FM (3 ea)
F-1463/TSW-7A	Filter UHF-AM (3 ea)
MEP-025A	Gasoline Generator (28VDC)
OE-281/TSW-7A	Colinear Antenna (UHF-AM/VHF-AM)
PP-6187/TSW-7	Power Supply (28VDC) (3 ea)
PU-619/M	Power Unit (10 KW)
RT-1167/ARC-164(V)	Radio Set (3 ea)
S-593/TSW-7A	Shelter
T-420/GMQ-11	Wind Direction and Speec Transmitter
TSEC/KY-28	Speech Security Device (3 ea)

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-120	X	X	X
AN/URM-127	X	X	X
AN/USM-223	X	X	X
AN/USM-281C	X	X	X
DA-75/U	X	X	X
MK-679/G			X
MK-681/G		X	X
TK-100/G		X	X
TK-101/G	X		

NOTE

Tool and test equipment requirements for the major components of the AN/TSW-7A are listed on the individual data sheets found elsewhere in this publication.

3. Applicable Publications:

TM 11-5805-644-12 (Pertains to Telephone Equipment Group)
TM 11-5805-644-20P (Pertains to Telephone Equipment Group)
TM 11-5805-644-34 (Pertains to Telephone Equipment Group)
TM 11-5805-644-34P (Pertains to Telephone Equipment Group)
TM 11-5895-801-12 (Pertains to AN/TSW-7A)
TM 11-5895-801-20P (Pertains to AN/TSW-7A)
TM 11-5895-801-34 (Pertains to AN/TSW-7A)
TM 11-6130-369-12 (Pertains to PP-6187/TSW-7)
TM 11-6130-369-34 (Pertains to PP-6187/TSW-7)
TM 11-6130-369-40P (Pertains to PP-6187/TSW-7)

(Refer to individual data sheets for major component illustrations)

Figure 98. AN/UAS-4A Infrared Surveillance System

1. **Brief Description:** The AN/UAS-4A is an infrared surveillance system providing facilities for passive air to ground reconnaissance during daylight and darkness. This system utilizes infrared radiation detecting techniques to provide airborne and ground displays and photographic film recording of a reconnaissance area. Major components of this system are as follows:

a. Airborne Portion:

AN/AAS-14A or AN/AAS-14B	Infrared Detecting System
AN/ART-41A	Radio Transmitting Set
MT-2530/A	Mount

b. Ground Based Portion:

AN/TAQ-1A or AN/TAQ-1B	Surveillance Information Center

2. **Tool and Test Equipment Requirements:** Tool and test equipment requirements for the major components of the AN/UAS-4A are listed on the individual data sheets found elsewhere in this publication.

3. **Applicable Publications:**
TM 11-5850-217-15

(Refer to individual data sheets for major component illustrations)

Figure 99. AN/UPD-2( ) Radar Surveillance System

1. Brief Description: The AN/UPD-2( ) Radar Surveillance System is designed to present for viewing a map-like image of the terrain beneath the aircraft. A part of the system, the Radar Surveillance Set and the Data Transmitter are the airborne components installed in the OV-1( ) aircraft. The other part of the system is the Radar Data Receiving Set which makes up the ground based portion of the system. Major components of the AN/UPD-2 are:

Airborne Portion	
AN/AKT-18	Radar Data Transmitter Set
AN/APS-94C	Radar Surveillance Set
Ground Portion	
AN/TKQ-2	Receiving Set, Radar Data

Major components of the AN/UPD-2 (modified) are

Airborne Portion	
AN/AKT-18A	Radar Data Transmitter Set
AN/APS-94D/E	Radar Surveillance Set
Ground Portion	
AN/TKQ-2A	Receiving Set, Radar Data

2. Applicable Tools and Test Equipment: Tool and test equipment requirements for the major com ponents of the AN/UPD-2 are listed on the in dividual data sheets found elsewhere in this publication.

3. Applicable Publications: Technical publications for the AN/UPD-2 as a system are not available Refer to applicable publications for each major component.

(Refer to individual data sheets for major component illustrations)

Figure 100. AN-UPD-7 Radar Surveillance System

1. **Brief Description:** The AN/UPD-7 Radar Surveillance System is designed to present for viewing a map-like image of the terrain beneath the aircraft. A part of the system, the Radar Surveillance Set and the Data Transmitter are the airborne components installed in the OV-1( ) aircraft. The other part of the system is the Radar Data Receiving Set which makes up the ground based portion of the system. The major components of the AN/UPD-7 are as follows:

Airborne Portion

AN/AKT-18B	Radar Data Transmitter Set
AN/APS-94F	Radar Surveillance Set

Ground Portion

AN/TKQ-2B	Receiving Set, Radar Data

2. **Applicable Tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:** Technical manuals for the AN/UPD-7 as a system are not available. Refer to applicable publications for each major component.

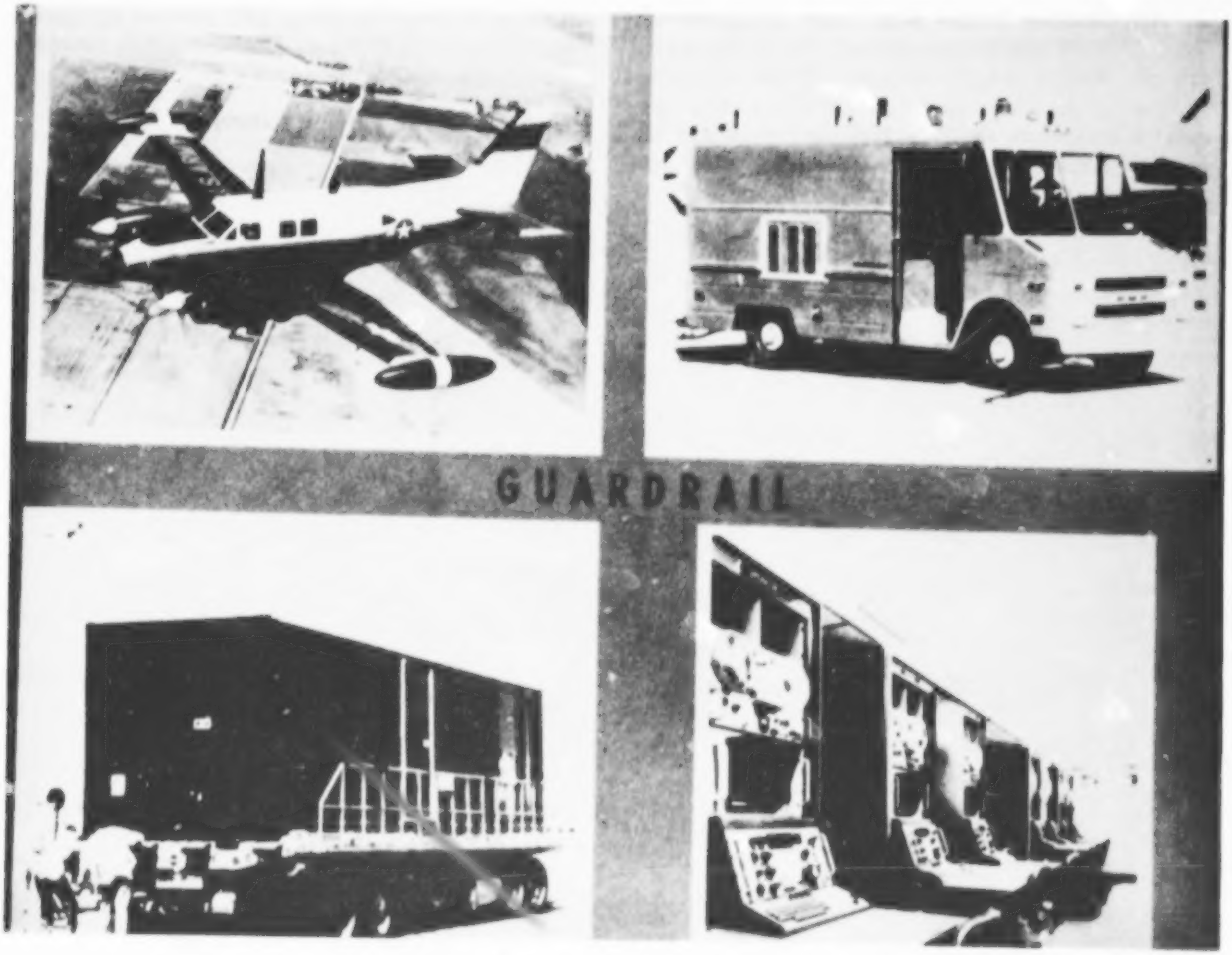


Figure 100.1. AN/USD–9 Direction Finding System

1. Brief Description: The AN/USD–9 system is an airborne/ground remotely controlled intercept and Direction Finding (DF) system which will replace the GR II and GR IV systems. This system is designed to provide signal intelligence (real time information) to tactical commanders to include locations of deployed hostile forces. The Airborne Relay Facility (ARF) is integrated into a RU–21H aircraft. The remainder of the system is mounted in surface vans identified as Integrated Processing Facilities (IPFs). The system also includes Tactical Commanders Terminals (TCTs) which are portable communications terminals packaged in carrying cases. The TCT may be installed in a sheltered area, fixed or mobile, provided a suitable antenna site and electrical power are available. The ARF fullfills the collection and DF functions of the GRV system. Communications between the ARF and IPF are accomplished by way of UHF command and multichannel UHF data links. The ARF is also capable of relaying data through UHF links to and from the TC terminals and a distant ARF. The AN/USD–9 system consists of the common avionics equipment installed on the RU–21H aircraft plus the following major items of mission equipment (see individual data sheets for brief description):

AN/ARM–163(V)3	Flight Line Test Set (AGE)
AN/ARW–83(V)4	Remote Radio Receiver Set (ARF) (installed in aircraft)
AN/TSC–87	Communications Terminal (TCT)
AN/TSQ–105(V)3	Surveillance Information Processing Center(IPF)

2. Applicable Tools and Test Equipment:

The AN/ASM–615 Electronic Shop is a mobile maintenance facility which contains all the necessary TMDE required for maintenance of the common avionics installed on the RU–21H aircraft except for the AN/ASN–86 which is contained in the AN/ASM–617 Electronic Shop. Tool and test equipment requirements for mission equipment is listed in applicable Technical Manuals.

3. Applicable Publications:

TM 11–5865–216–12

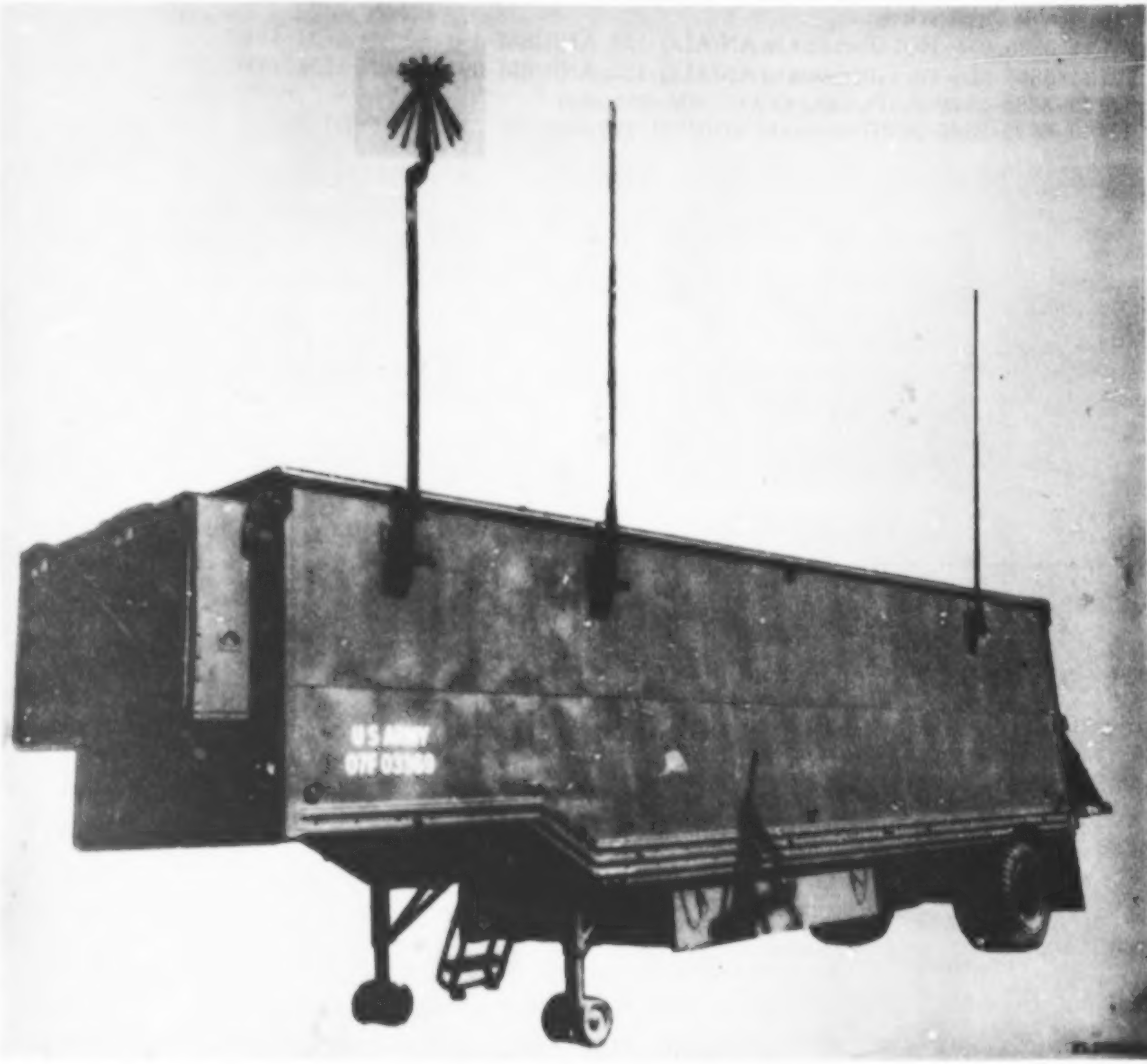


Figure 101. AN/USM-393 Simulator Set

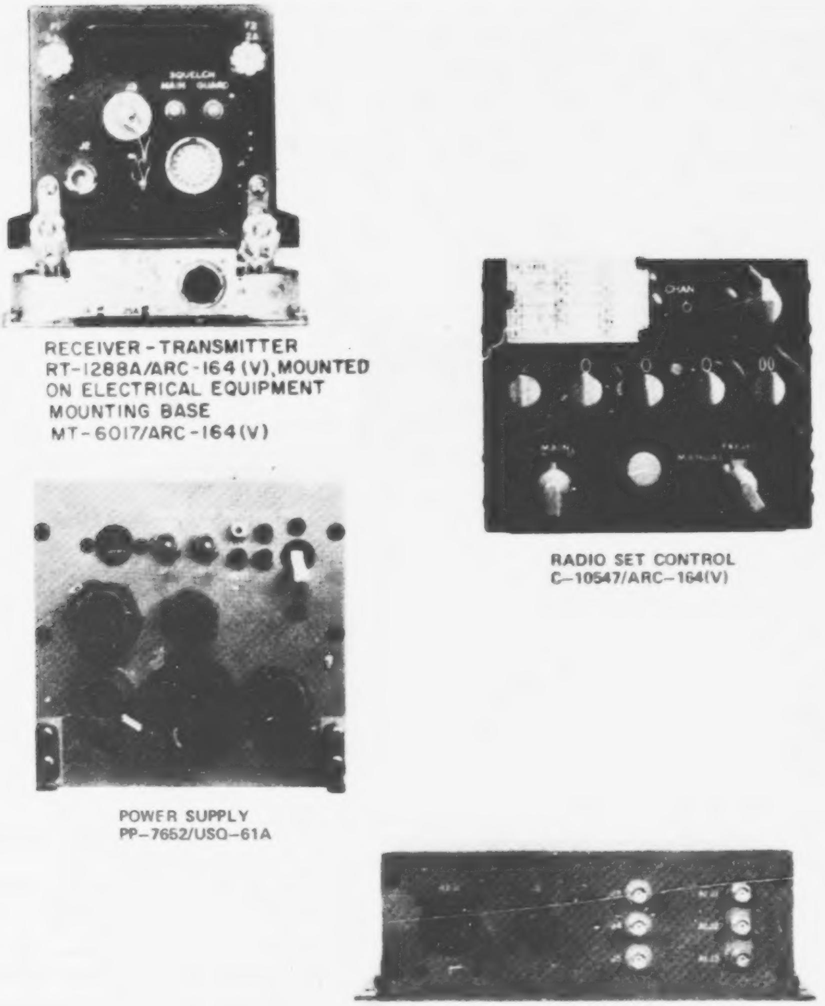
1. **Brief Description:** The AN/USM-393 Simulator Set is a part of the Quick Look II system. It is used to prepare tapes containing mission parameters which are loaded into the aircraft by the AN/ALM-154 during preflight operations. It can also be used to obtain update information from the aircraft via the data link and to perform a post-flight analysis of data collected during a mission. Major components are:

AN/USQ-61	Digital Data Set
AN/UYK-23	Digital Computer Set
C-9632/ALM-153	Maint-Operator Control Panel
C-9633/UYK-23	Maint-Operator Panel
J-3238/ALM-153	Interface Unit
J-3239/USM-393	Interface Unit
RD-392/U	Tape Recorder-Reproducer
RT-542A/VRC	Receiver-Transmitter
R-442/VRC	Receiver
ASR33-20/5J0	Teletypewriter Set
RAB6375B AX (Remex)	Tape Reader—Perforat System
2000 (Hazeltine)	Video Display Terminal
2200 (Tally)	Line Printer
400-0015-010	Power Supply Assembly
400-017-010	Power Supply Assembly
9111-B(DDC)	Disc Memory System

2. **Applicable Tools and Test Equipment:** N defined at the time of this printing.

3. Applicable Publications:

TM 11-5895-955-10-1 (Pertains to AN/ALQ-133, AN/USM-393 and AN/ALM-154)
TM 11-5895-955-10-2 (Pertains to AN/ALQ-133, AN/USM-393 and AN/ALM-154)
TM 11-6625-2845-24 (Pertains to AN/USM-393 only)
TM 11-6625-2845-24P (Pertains to AN/USM-393 only)



RECEIVER-TRANSMITTER RT-1288A/ARC-164(V), MOUNTED ON ELECTRICAL EQUIPMENT MOUNTING BASE MT-6017/ARC-164(V)

RADIO SET CONTROL C-10547/ARC-164(V)

POWER SUPPLY PP-7652/USQ-61A

DIGITAL MODEM MD-1102/USQ-61A

Figure 102. AN/USQ-61A Digital Data Set

1. Brief Description: The AN/USQ-61A Digital Data Set is installed in both the RV-1D aircraft and the ground based AN/USM-393 Simulator to provide a two-way, secure data link channel in the Quick Look II Emitter Identification Location System. The set operates in the half-duplex mode in the 225-399.75 HHz range. Major components are:

AN/ARC-164(V)12	Radio Set
MD-1102/USQ-61A	Digital Modem
MT-4903/USQ-61	Mount (PP-7652)
MT-4904/USQ-61	Mount (KG-35-4)
MT-6163/USQ-61A	Mount (C-10547/ARC-164-used in AN/USM-393 only)
PP-7652/USQ-61A	Power Supply
TSEC/KG-35-4	Key Generator

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AM-6880/U (2 ea)	X	X
AN-GSM-64B	X	X
AN/URM-120	X	
AN/USM-223	X	
AN/USM-281C	X	X
IP-1216(P)/GR	X	
PL-1388/U	X	
PL-1400/U	X	
TK-105/G	X	X

3. Applicable Publications:

TM 11-7035-200-14
TM 11-7035-200-24P

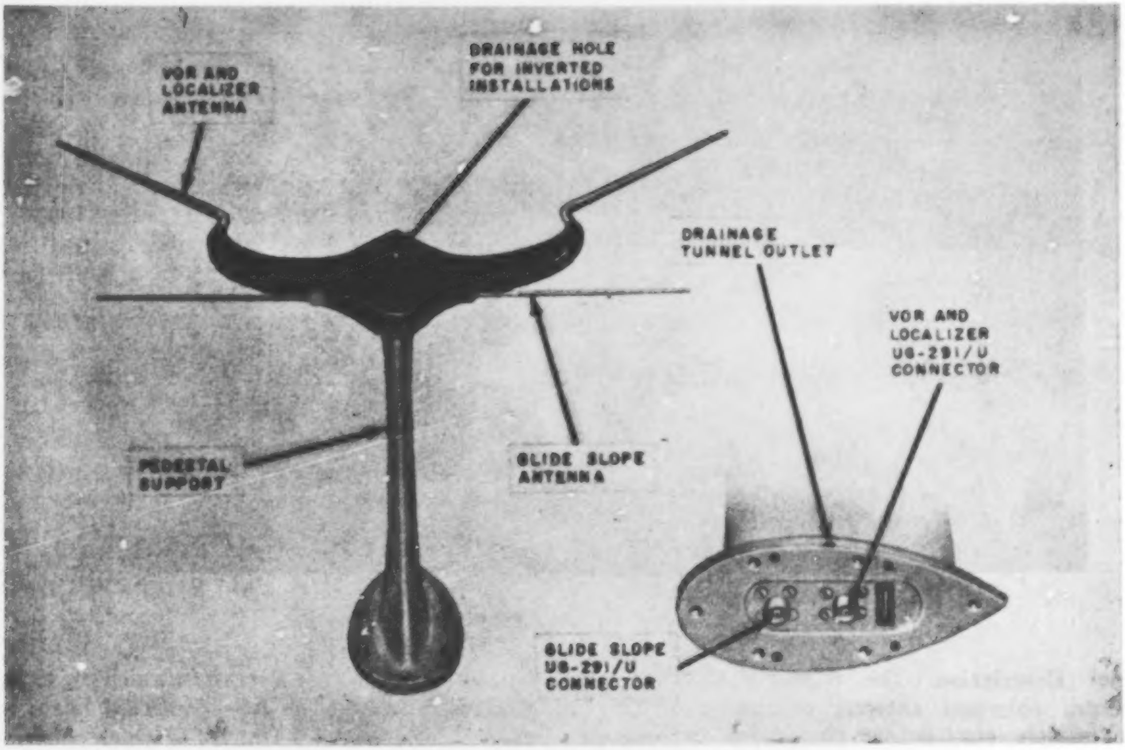

VOR AND LOCALIZER ANTENNA
DRAINAGE HOLE FOR INVERTED INSTALLATIONS
DRAINAGE TUNNEL OUTLET
VOR AND LOCALIZER UG-291/U CONNECTOR
PEDESTAL SUPPORT
GLIDE SLOPE ANTENNA
GLIDE SLOPE UG-291/U CONNECTOR

Figure 103. AS-580A/ARN-30 Antenna

1. Brief Description: The AS-580A/ARN-30 is designed for use with VOR and Glide Slope Receiving Sets. The antenna is a "ramshorn" V-type incorporating two broadband antennas. The forward dipole is used for glideslope signal reception and the angular rear dipole is used for reception of VOR, VAR, and localizer signals.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-520 (Pertains to AN/ARN-30)
TM 11-5826-207-10 (Pertains to AN/ARN-30)
TM 11-5826-207-24 (Pertains to AN/ARN-30)
TM 11-5826-207-24P (Pertains to AN/ARN-30)
TM 11-5826-207-50 (Pertains to AN/ARN-30)
TM 11-5826-215-12 (Pertains to AN/ARN-30)
TM 11-5826-215-35 (Pertains to AN/ARN-30)

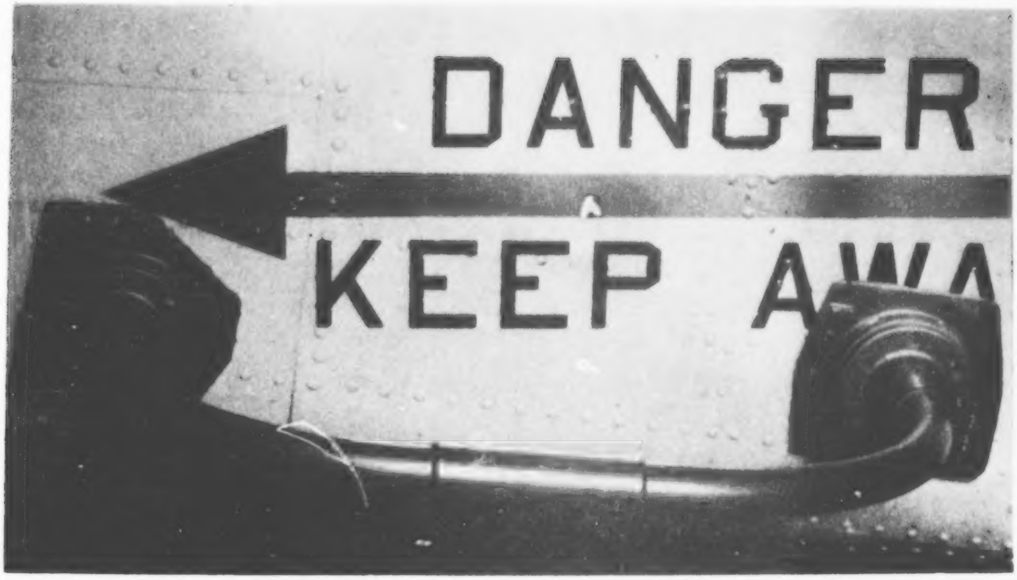


Figure 104. AS-1304/ARN Antenna

1. Brief Description: The AS-1304/ARN is a horizontal polarized antenna consisting of two approximately semicircular center fed half-loops and a cable harness. This antenna has been designed for the reception of VOR and ILS signals. It has a VSWR of less than 5 to 1. There are two different type cables (DM N4-4.2 and DM N4-4.3) available depending on the type aircraft in which the antenna is to be installed. The AS-1304/ARN has a commercial designation of DM N4-4 which consists of two DM N4-4.1 half-loops.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-1520-210-20 (Pertains to UH-1 aircraft)
TM 11-1520-210-20-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-20P (Pertains to UH-1 aircraft)
TM 11-1520-210-20P-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-34-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-34P (Pertains to UH-1 aircraft)
TM 11-1520-210-34P-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-35 (Pertains to UH-1 aircraft)

ANTENNA
AS-1703/AR
COUPLER, ANTENNA
CU-942/ARC-54 OR
CU-943/ARC-54
TM5821-244-12-C1-1

Figure 105. AS-1703/AR antenna

1. **Brief Description**: The AS-1703/AR is a vertically polarized omnidirectional whip antenna designed for use in the 30-75 MHz frequency range. The radiating element is No. 16 copperweld stranded conductor terminated at the tip by a 50 megohm static suppressor. The nominal input impedance of the antenna (with coupler) is 50 ohms and is designed to handle 20 watts of RF power.

2. **Applicable Tools and Test Equipment**: Not applicable.

3. **Applicable Publications:**

TM 11-5821-244-12 (Pertains to AN/ARC-54)
TM 11-5821-244-20P (Pertains to AN/ARC-54)
TM 11-5821-244-34 (Pertains to AN/ARC-54)
TM 11-5821-244-34P (Pertains to AN/ARC-54)

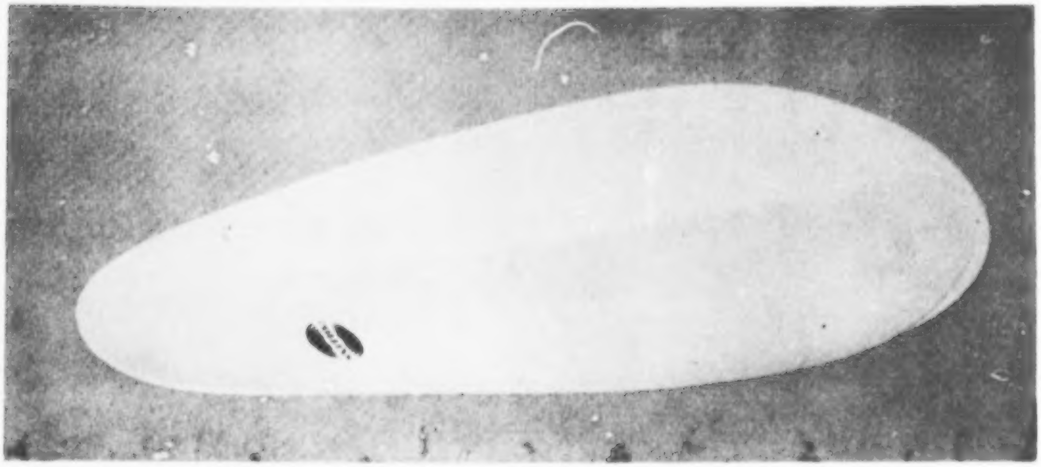


Figure 106. AS-1869/ARN Antenna

1. **Brief Description:** The AS-1869/ARN (Collins 437M-2) and AS-1870/ARN (Collins 437M-2A) are low profile ADF sense antennas installed on CH-47 aircraft. They utilize semiflush mounting which allows installation directly over the ADF loop antenna. The AS-1869 fits over the AS-1863/ARN-83 loop while the AS-1870 fits over the AT-780/ARN-59 loop.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**

TM 11-1520-209-20 (Pertains to CH-47 aircraft)
TM 11-1520-209-20P (Pertains to CH-47 aircraft)
TM 11-1520-209-34 (Pertains to CH-47 aircraft)
TM 11-1520-209-34P (Pertains to CH-47 aircraft)

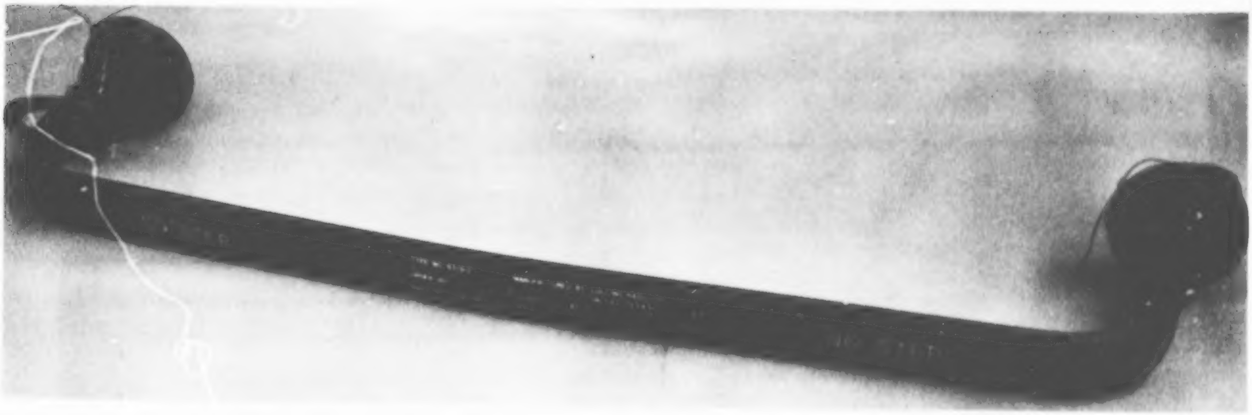


Figure 107. AS-1922/ARC Antenna

1. **Brief Description**: The AS-1922/ARC (Collins 637A-2) is a FM Homing Antenna used in conjunction with FM radio communication sets. This antenna is commonly referred to as the "Towel Rack" due to its physical resemblance to this standard fixture.

2. **Applicable Tools and Test Equipment**: Not applicable.

3. **Applicable Publications**: Not applicable.

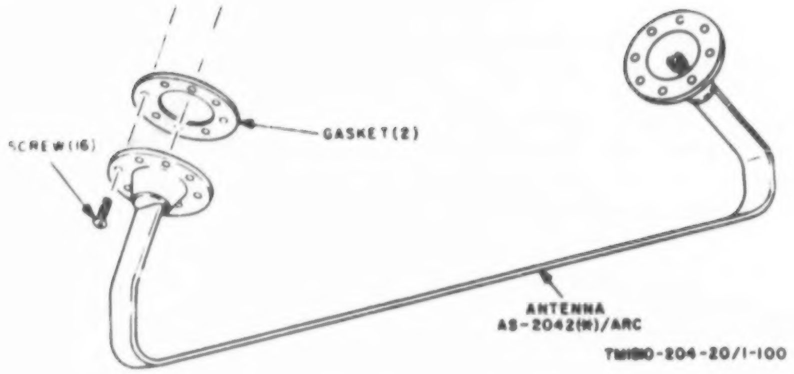

SCREW(16)
GASKET(2)
ANTENNA
AS-2042(*)/ARC
TM[illegible]0-204-20/1-100

Figure 108. AS-2042/ARC Antenna

1. Brief Description: The AS-2042/ARC FM homing antenna is used in conjunction with FM radio communication sets. the AS-2042/ARC is a modified version of the AS-1922/ARC adapted to mount on OV-1 Mohawk aircraft.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications: Not applicable.

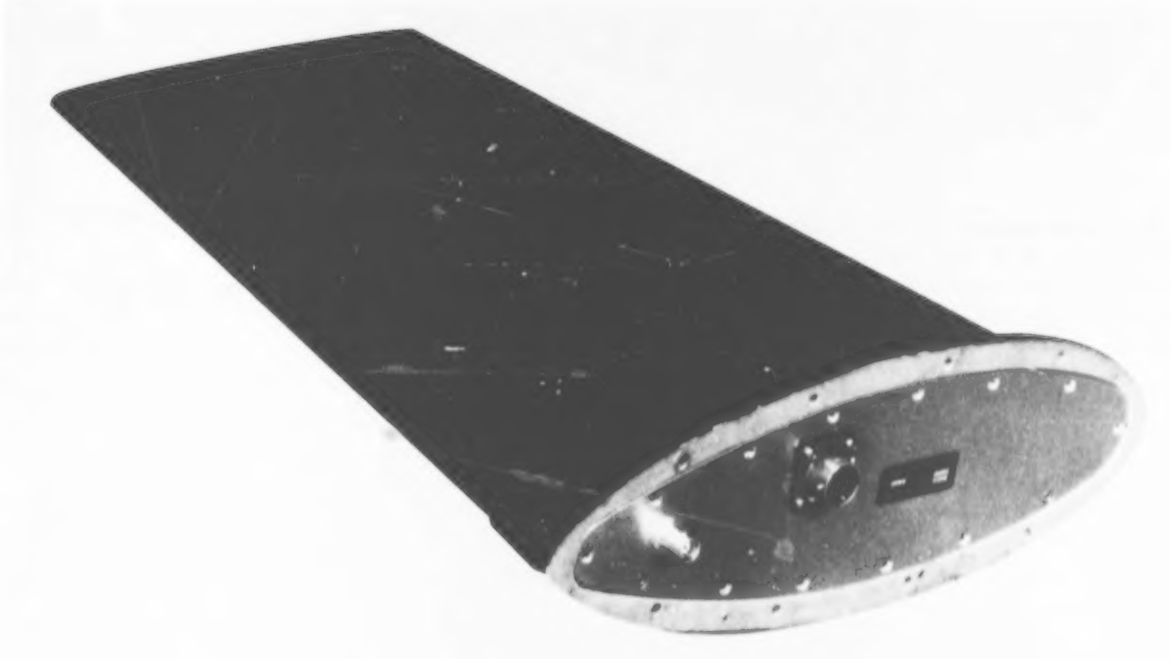


Figure 109. AS-2285( )/ARC Antenna

1. Brief Description: The AS-2285( )/ARC antenna is an omnidirectional, vertical polarized VHF/FM blade antenna for frequency modulated (FM) communications on frequencies from 30 MHz to 76 MHz. The antenna provides impedance matching to a 50 ohm transmission line. The antenna is automatically tuned; however, circuits are also included to permit remote manual tuning of the antenna in radio silence conditions. The AS-2285/ARC has a power rating of 35 watts, whereas the AS-2285A/ARC is rated at 70 watts.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
AN/ARM-115		X
AN/URM-105C	X	
AN/URM-120	X	X
AN/USM-281C		X
DA-75/U		X
ME-26D/U		X
MK-1035/ARC-131		X
PP-1104/G		X
RT-823/ARC-131		X
TK-100/G		X
TK-101/G	X	
TK-105/G		X

3. Applicable Publications:

TM 11-5841-284-20
TM 11-5841-284-34
TM 11-5841-284-34P

(Illustration not available)

Figure 110. AS-2485/ARC Antenna

1. **Brief Description:** The AS-2485/ARC is a VHF-FM Communications Antenna installed on the OH-58 aircraft. It is a vertically polarized monopole consisting of a fiberglass whip extending up and aft, permanently attached to a streamlined vertical probe.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**

TM 11-1520-228-20 (Pertains to OH-58)
TM 11-1520-228-20-1 (Pertains to OH-58)
TM 11-1520-228-20P (Pertains to OH-58)
TM 11-1520-228-34 (Pertains to OH-58)
TM 11-1520-228-34-1 (Pertains to OH-58)
TM 11-1520-228-34P (Pertains to OH-58)

(Illustration not available)

Figure 111. AS-2486/ARC Antenna

1. **Brief Description:** The AS-2486/ARC is the left hand portion of the FM homing antenna installed on the OH-58 aircraft. It is an encapsulated dipole resembling a streamlined vertical towel rack.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**
TM 11-1520-228-20 (Pertains to OH-58)
TM 11-1520-228-20-1 (Pertains to OH-58)
TM 11-1520-228-20P (Pertains to OH-58)
TM 11-1520-228-34 (Pertains to OH-58)
TM 11-1520-228-34-1 (Pertains to OH-58)
TM 11-1520-228-34P (Pertains to OH-58)

(Illustration not available)

Figure 112. AS-2487/ARC Antenna

1. **Brief Description:** The AS-2487/ARC is a UHF-AM Communications Antenna installed on the OH-58 aircraft. It is a vertically polarized monopole, encapsulated and shaped like a blade for streamlining.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**
   TM 11-1520-228-20 (Pertains to OH-58)
   TM 11-1520-228-20-1 (Pertains to OH-58)
   TM 11-1520-228-20P (Pertains to OH-58)
   TM 11-1520-228-34 (Pertains to OH-58)
   TM 11-1520-228-34-1 (Pertains to OH-58)
   TM 11-1520-228-34P (Pertains to OH-58)

best copy available

(Illustration not available)

Figure 113. AS-2670/ARC Antenna

1. **Brief Description:** The AS-2670/ARC is the right hand portion of the FM homing antenna installed on the OH-58 aircraft. It is an encapsulated dipole resembling a streamlined vertical towel rack.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**
TM 11-1520-228-20 (Pertains to OH-58)
TM 11-1520-228-20-1 (Pertains to OH-58)
TM 11-1520-228-20P (Pertains to OH-58)
TM 11-1520-228-34 (Pertains to OH-58)
TM 11-1520-228-34-1 (Pertains to OH-58)
TM 11-1520-228-34P (Pertains to OH-58)

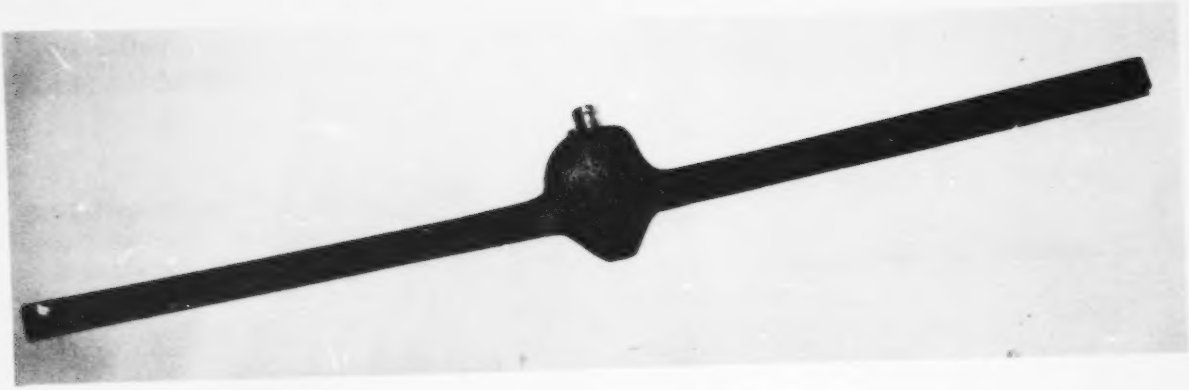


Figure 114. AS-3188/ARN Antenna

1. **Brief Description**: The AS-3188/ARN is an antenna used for the reception of glideslope signals. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment**: Not applicable.

3. **Applicable Publications**: Not defined at the time of this printing.

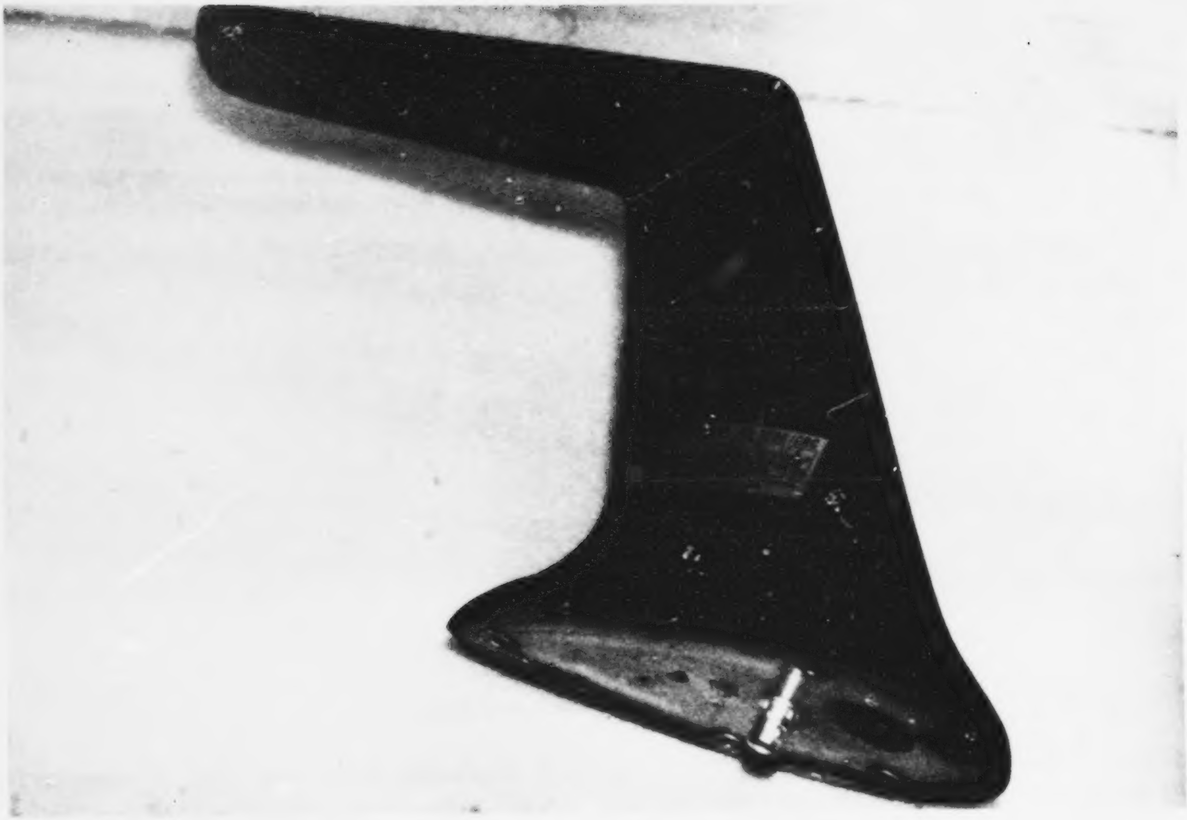


Figure 115. AS-3204/ARC Antenna

1. **Brief Description:** The AS-3204/ARC is an antenna used for the transmission and reception of VHF-AM signals on the AH-1S aircraft. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not defined at the time of this printing.

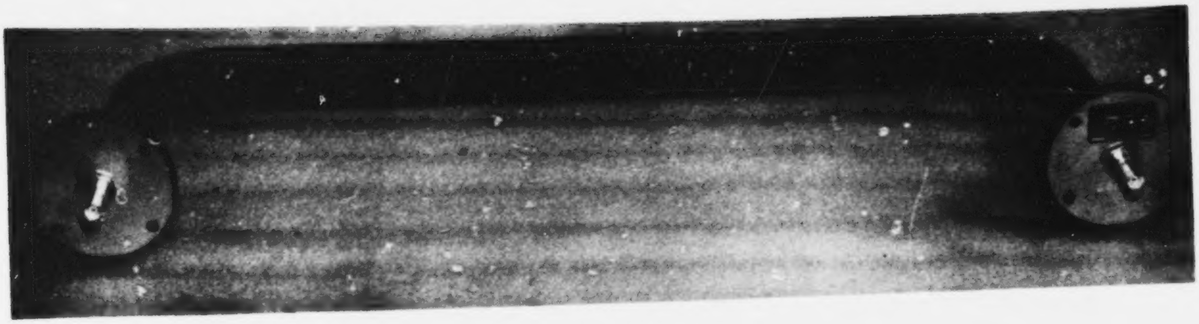


Figure 116. AS-3205/ARC Antenna

1. **Brief Description:** The ASD-3205/ARC is an antenna used for the reception of VHF-FM homing signals on the AH-1S aircraft. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not defined at the time of this printing.

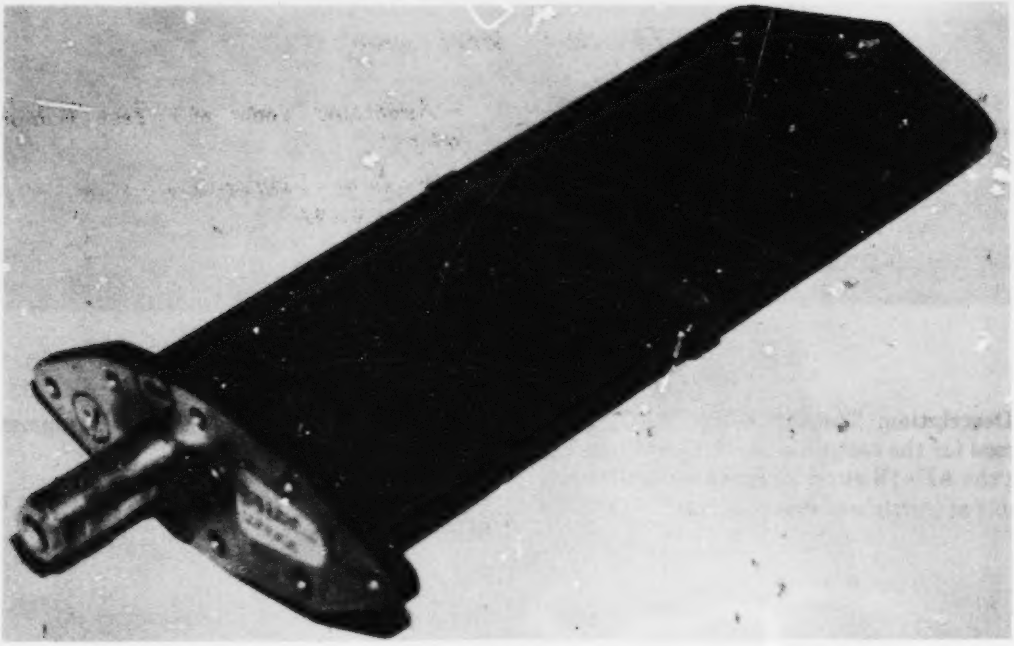


Figure 117. AT-256A/ARC Antenna

1. **Brief Description:** The AT-256A/ARC is an antenna used for the reception and transmission of UHF-AM signals on the AH-1S aircraft. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not defined at the time of this printing.

(Illustration not available)

Figure 118. AT-326/ARN Antenna

1. **Brief Description:** The AT-326/ARN is an antenna used for the reception of Glideslope signals. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not defined at the time of this printing.

Figure 119. AT-450/ARC Antenna

1. **Brief Description:** The AT-450/ARC is a UHF blade antenna designed to cover the frequency range of 225 to 400 MHz. It has an input impedance of 52 ohms.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**
TM 11-5821-231-15P

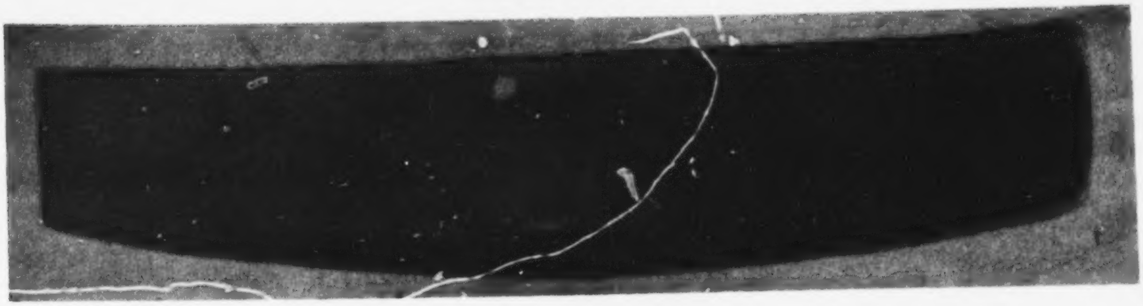


Figure 120. AT-640A/ARN Antenna

1. **Brief Description:** The AT-640A/ARN (Collins 37X-2) is a horizontally-polarized antenna designed for receiving 75 MHz marker beacon signals. The antenna's standing wave ratio is 3 to 1 or less. It has an input impedance of 52 ohms.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not applicable.

(Illustration not available)

Figure 121. AT-740/A Antenna

1. **Brief Description:** The AT-740/A is a flush mounted IFF antenna installed on the CH-47D aircraft. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not defined at the time of this printing.

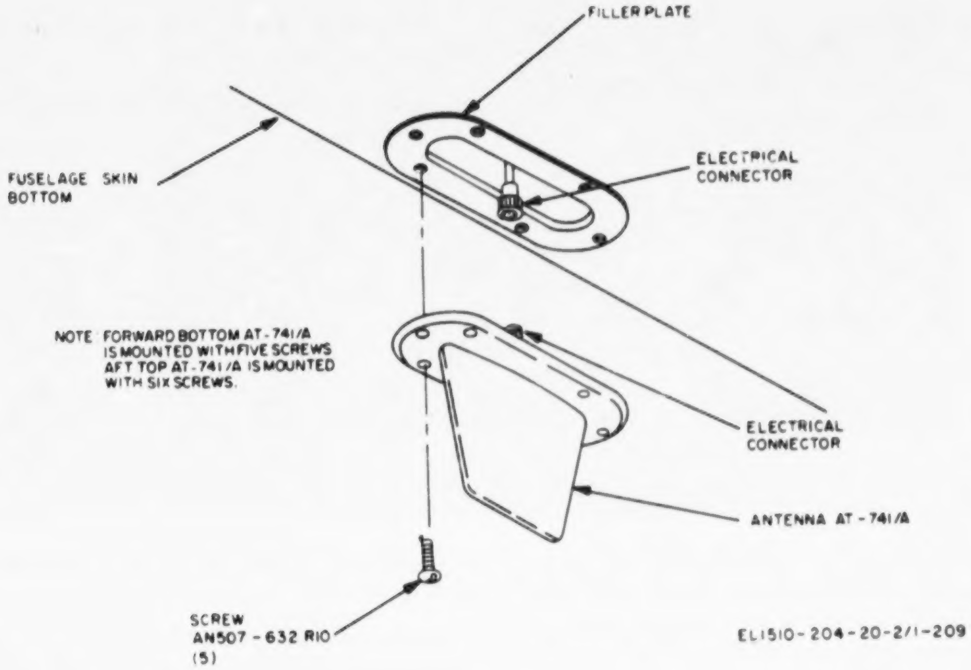

FILLER PLATE
FUSELAGE SKIN BOTTOM
ELECTRICAL CONNECTOR
NOTE: FORWARD BOTTOM AT-741/A IS MOUNTED WITH FIVE SCREWS AFT TOP AT-741/A IS MOUNTED WITH SIX SCREWS.
ELECTRICAL CONNECTOR
ANTENNA AT-741/A
SCREW AN507-632 R10 (5)
EL1510-204-20-2/1-209

Figure 122. AT-741/A Antenna

1. **Brief Description:** The AT-741/A is a vertical polarized omnidirectional sleeve stub external type antenna designed for reception of signals within the frequency range 960 to 1220 MHz.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not applicable.

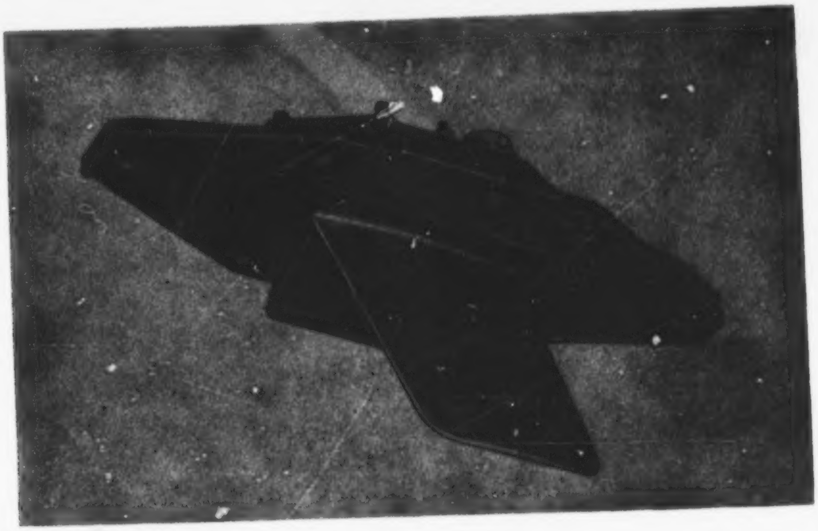


Figure 123. AT-884/APX-44 Antenna

1. **Brief Description:** The AT-884/APX-44 is a vertical polarized omnidirectional blade type antenna designed for reception and transmission of signals within the frequency range of 1010 to 1110 MHz.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**
TM 11-5895-217-12 (Pertains to AN/APX-44)
TM 11-5895-217-35 (Pertains to AN/APX-44)

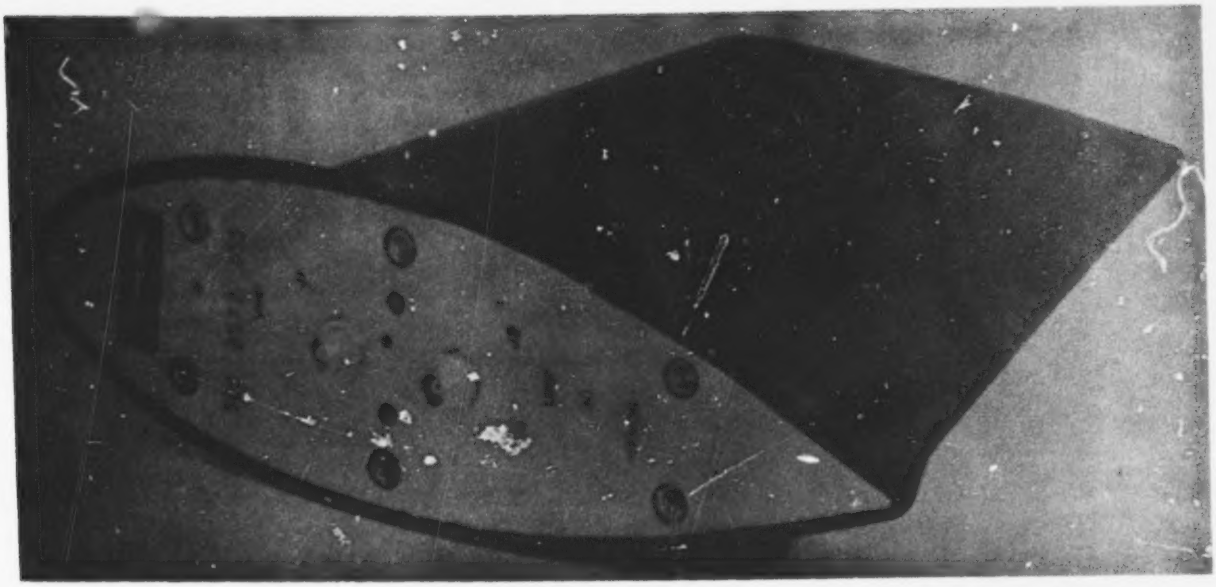


Figure 124. AT-1108/ARC Antenna

1. Brief Description: The AT-1108/ARC (Collins 37R-2U) is a vertically polarized communications antenna designed for reception and transmission of signals within the frequency range of 116-152 MHz for the VHF band and 225-400 MHz for the UHF band. Each antenna has a nominal impedance of 52 ohms. A BNC female connector is used for the VHF band and TNC female connector is used for the UHF band.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-5821-225-10 (Pertains to A/ARC-55)
TM 11-5821-225-24 (Pertains to AN/ARC-55)
TM 11-5821-225-50 (Pertains to AN/ARC-55)
TM 11-5821-217-12 (Pertains to AN/ARC-73)
TM 11-5821-217-20P (Pertains to AN/ARC-73)
TM 11-5821-217-34 (Pertains to AN/ARC-73)
TM 11-5821-217-34P (Pertains to AN/ARC-73)
TM 11-5821-217-50 (Pertains to AN/ARC-73)

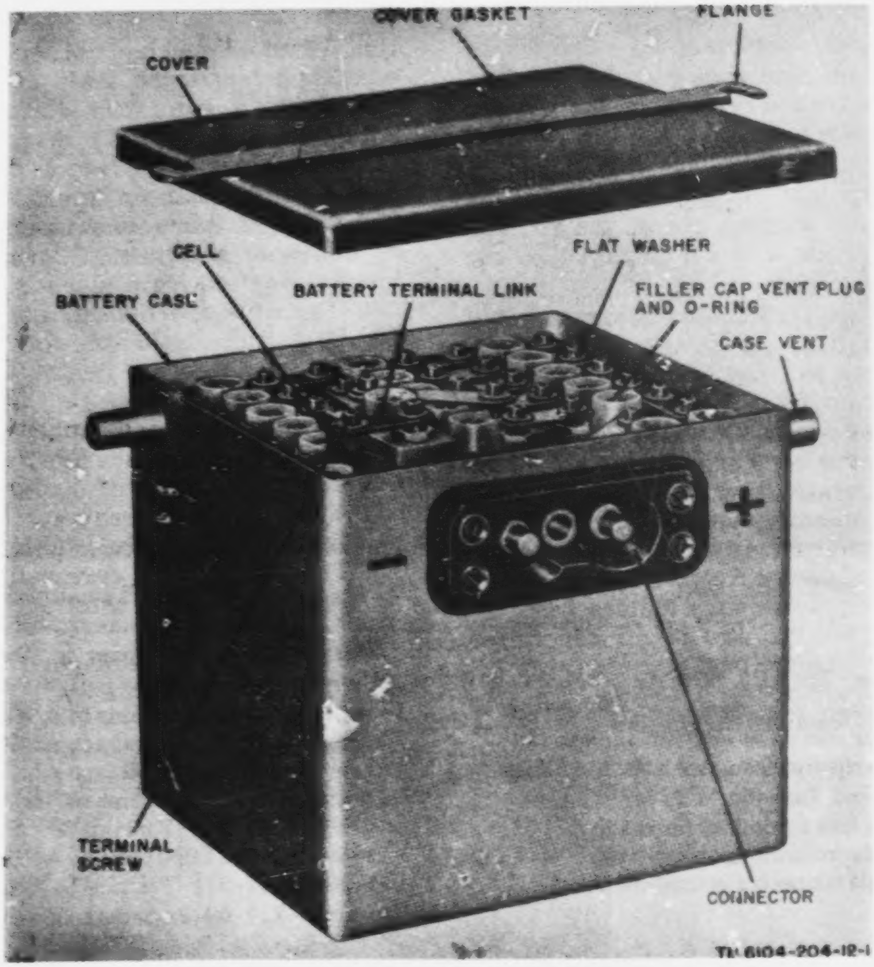

COVER GASKET
FLANGE
COVER
CELL
FLAT WASHER
BATTERY CASE
BATTERY TERMINAL LINK
FILLER CAP VENT PLUG AND O-RING
CASE VENT
+
-
TERMINAL SCREW
CONNECTOR
TM 6104-204-12-1

Figure 125. BB-432/A Battery

1. Brief Description: Storage Battery BB-432/A provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB-599/A cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB-432/A is rated at 11 ampere-hours.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
* AN/ASM-137( )		X
** AN/USM-223	X	X
* AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
* PP-1104C/G		X
* PP-1451/G		X
* PP-1659/G		X
TK-90/G	X	X
*** Generator, 3KW		X
**** Relay, Reverse Current		X

* The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

** Two (2) each required at AVIM level.

*** Required for charging when 115/230 volts AC power is not available.

**** Used with PP-1104.

NOTE

See TM 11–6140–203–14–2 for list expendable supplies and materials required.

3. Applicable Publications:

TM 11–6140–203–14–1
TM 11–6140–203–14–2
TM 11–6140–203–14–30P–2

(Illustration Not Available)

Figure 125.1. BB–432B/A Battery

1. Brief Description: The BB–432B/A (145E2089–1) is a modified BB–432/A used on the CH–47D helicopter. It is a 24 volt 11 ampere-hour 19 cell (series connected) nickel-cadmium battery used for starting the aircraft auxiliary power unit (apu) and provides an emergency source of power during flight operation. The modification consisted of a tap to the position terminal of the tenth cell of the battery and connected to a terminal on the battery case connector for the battery charger to use in detecting unbalanced cell voltages. Also, an internal temperature sensor and a temperature switch have been added. The switch is designed to open when the battery temperature exceeds 140°F and close when the temperature drops to 115°F.

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O (A√UM)*	*F/H (AVIM)*
*AN/ASM–137( )		X
**AN/USM–223	X	X
*AN/USM–432		X
CX–11779/U		X
CX–11934/U		X
*PP–1104C/G		X
*PP–1451/A		X
*PP–1659/G		X
TK–90/G	X	X
***Generator, 3KW		X
****Relay, Reverse Current		X

3. Applicable Publications:

TM 11–6140–203–14–1
TM 11–6140–203–30P–2

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*The AN/USM–432 is the preferred charger/analyzer. If it is not available, the AN/ASM–137, PP–1659, PP–1104, or PP–1451 can be used.

**Two (2) each required at AVIM level.

***Required for charging when 115/230 volts AC power is not available.

****Used with PP–1104.

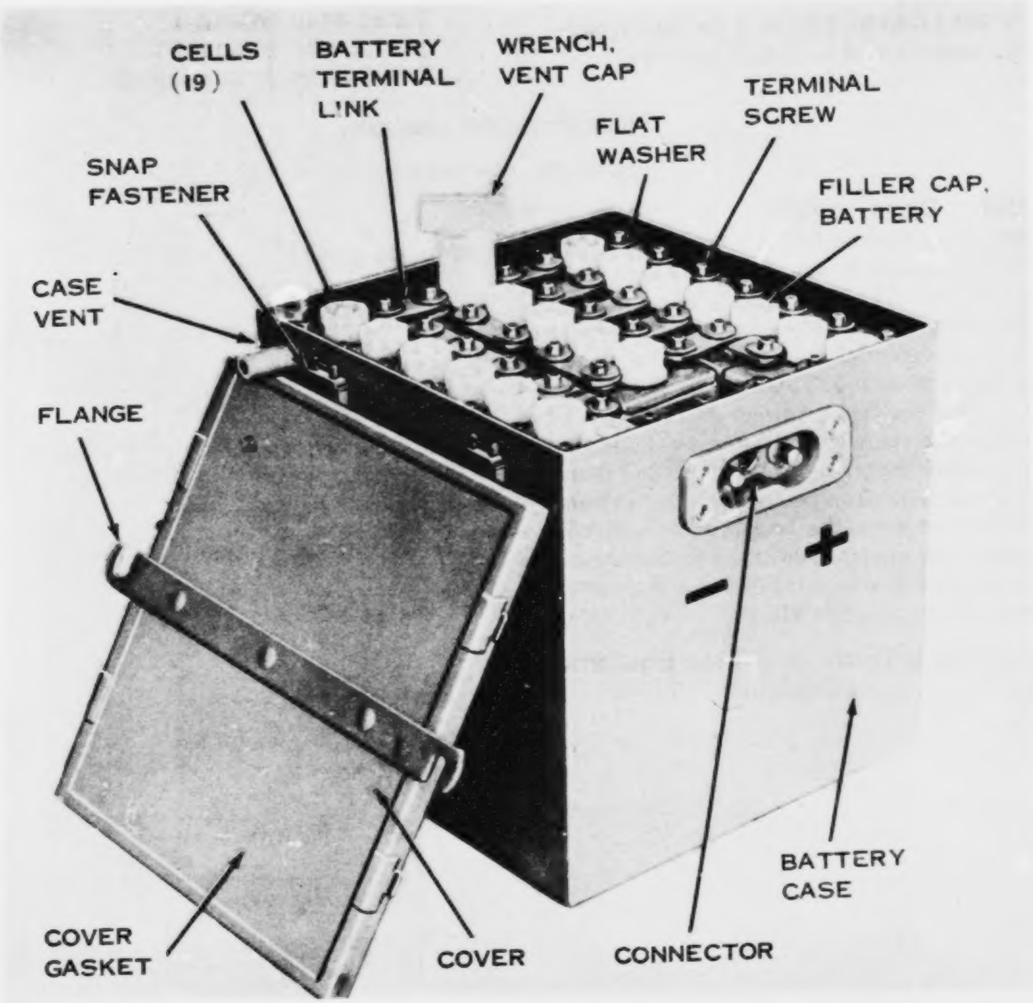
CELLS (19)
BATTERY TERMINAL LINK
WRENCH, VENT CAP
TERMINAL SCREW
FLAT WASHER
SNAP FASTENER
FILLER CAP, BATTERY
CASE VENT
FLANGE
−
+
BATTERY CASE
COVER GASKET
COVER
CONNECTOR

Figure 126. BB–433( )/A Battery

1. Brief Description: Storage Battery BB–433 ( ) provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB–600( ) cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB–433( ) is rated at 34 ampere-hours. The BB–433/A contains BB–600/A cells which utilize a cellophane separator material while the BB–433A/A contains BB–600A/A cells which utilize a separator material called Permion.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
* AN/ASM-137( )		X
** AN/USM-223	X	X
* AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
MX-8927A/U	X	X
* PP-1104C/G		X
* PP-1451/G		X
* PP-1659/G		X
TK-90/G	X	X
*** Generator, 3KW		X
**** Relay, Reverse Current		X

NOTE

See TM 11-6140-203-14-2 for list of expendable supplies and materials required.

3. Applicable Publications:

TM 11-6140-203-14-1
TM 11-6410-203-14-2
TM 11-6140-203-30P-2

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* The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

** Two (2) each required at AVIM level.

*** Required for charging when 115/230 volts AC power is not available.

**** Used with PP-1104

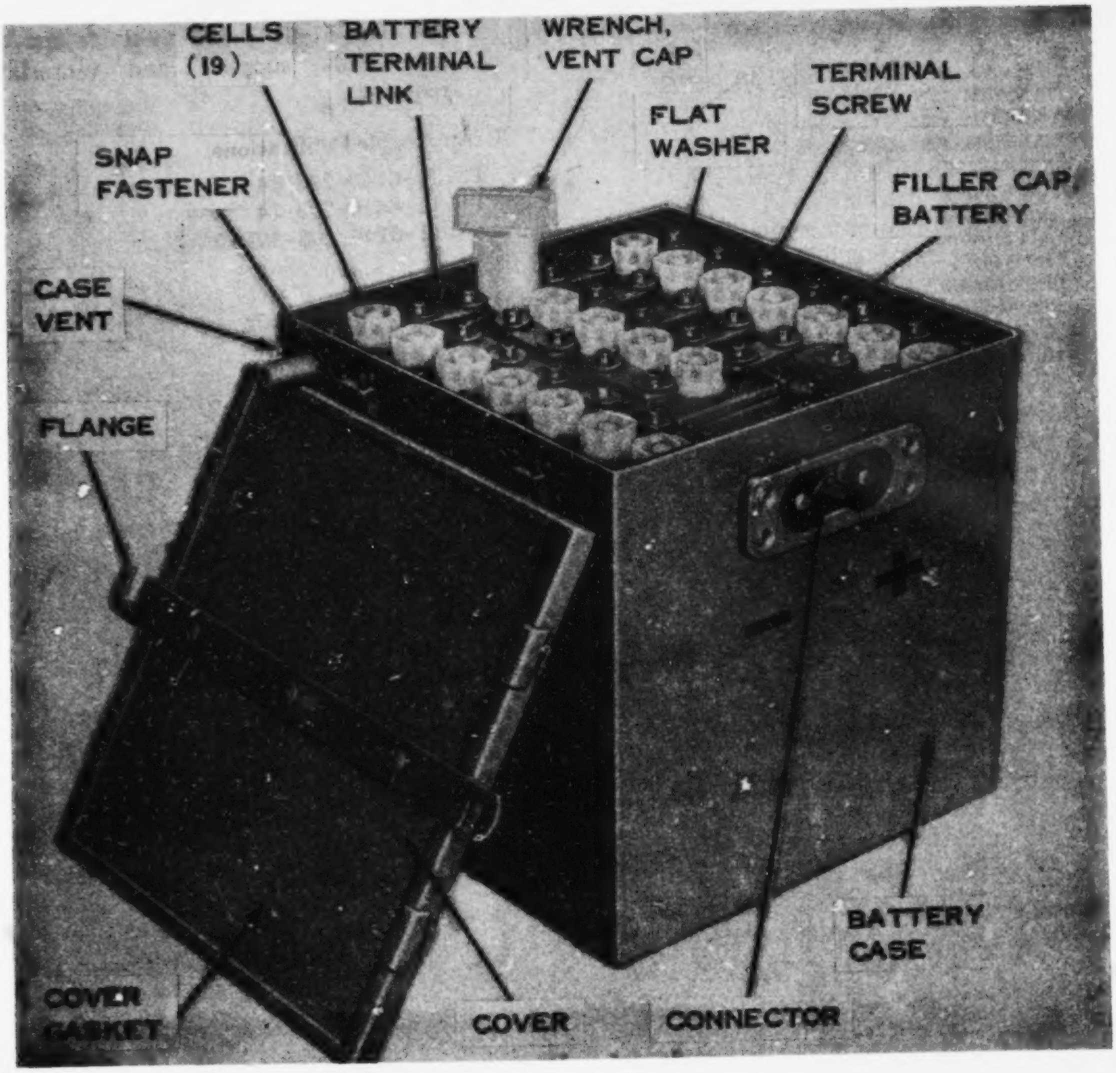
CELLS (19)
BATTERY TERMINAL LINK
WRENCH, VENT CAP
TERMINAL SCREW
FLAT WASHER
SNAP FASTENER
FILLER CAP, BATTERY
CASE VENT
FLANGE
BATTERY CASE
COVER GASKET
COVER
CONNECTOR

Figure 127. BB-434/A Battery

1. Brief Description: Storage Battery BB-434/A provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB-601/A cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB-434/A is rated at 22 ampere hours.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O* *(AVUM)*	*F/H* *(AVIM)*
* AN/ASM-137( )		X
** AN/USM-223	X	X
* AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
* PP-1104C/G		X
* PP-1451/G		X
* PP-1659/G		X
TK-90/G	X	X
*** Generator, 3KW		X
**** Relay, Reverse Current		X

NOTE

See TM 11-6140-203-14-2 for list of expendable supplies and materials required.

3. Applicable Publications:

TM 11-6140-203-14-1
TM 11-6140-203-14-2
TM 11-6140-203-30P-2

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* The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

** Two (2) each required at AVIM level.

*** Required for charging when 115/230 volts AC power is not available.

**** Used with PP-1104.

(Illustration not available)

Figure 128. BB-476/A Battery

1. Brief Description: Storage Battery BB-476/A provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB-475/A cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB-476/A is rated at 13 amperes and is similar to the BB-676/A except that it utilized a separator material called Permion while the BB-676/A utilizes a cellophane separator material.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
* AN/ASM-137( )		X
** AN/USM-223	X	X
* AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
* PP-1104C/G		X
* PP-1451/G		X
* PP-1659/G		X
TK-90/G	X	X
*** Generator, 3KW		X
**** Relay, Reverse Current		X

NOTE

See TM 11-6140-203-14-2 for list of expendable supplies and materials required.

3. Applicable Publications:

TM 11-6140-203-14-1
TM 11-6140-203-14-2
TM 11-6140-203-30P-2

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* The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

** Two (2) each required at AVIM level.

*** Required for charging when 115/230 volts AC power is not available.

**** Used with PP-1104.

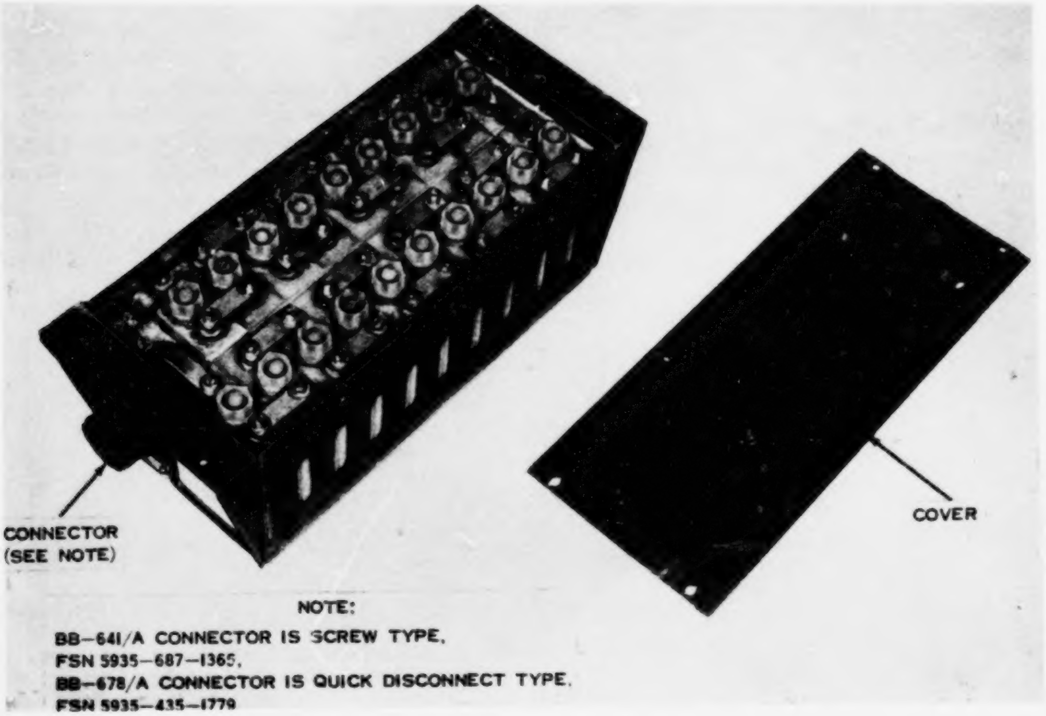
CONNECTOR
(SEE NOTE)
COVER
NOTE:
BB-641/A CONNECTOR IS SCREW TYPE,
FSN 5935-687-1365,
BB-678/A CONNECTOR IS QUICK DISCONNECT TYPE,
FSN 5935-435-1779

Figure 129. BB-641/A Battery

1. Brief Description: Storage Battery BB-641/A provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB-652/A cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB-641/A is rated at 13 ampere-hours.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
* AN/ASM-137( )		X
** AN/USM-223	X	X
* AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
* PP-1104C/G		X
* PP-1451/G		X
* PP-1659/G		X
TK-90/G	X	X
*** Generator, 3KW		X
**** Relay, Reverse Current		X

NOTE

See TM 11-6140-203-14-2 for list of expendable supplies and materials required.

3. Applicable Publications:

TM 11-6140-203-14-1
TM 11-6140-203-14-2
TM 11-6140-203-30P-2

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* The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

** Two (2) each required at AVIM level.

*** Required for charging when 115/230 volts AC power is not available.

**** Used with PP-1104.

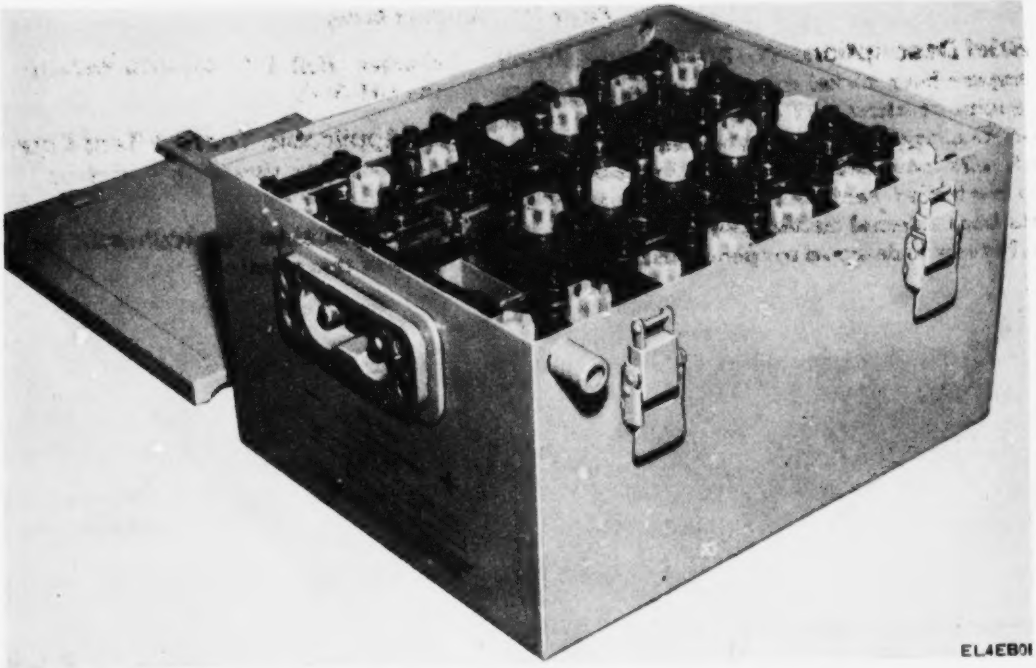

Figure 130. BB-649( )/A Battery

1. Brief Description: Storage Battery BB-649( ) provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB-648( ) cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB-649( ) is rated at 20 ampere-hours. The BB-649/A contains BB-648/A cells which utilize a separator material called Celgard.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
* AN/ASM-137( )		X
** AN/USM-223	X	X
* AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
* PP-1104C/G		X
* PP-1451/G		X
* PP-1659/G		X
TK-90/G	X	X
*** Generator, 3KW		X
****Relay, Reverse Current		X

NOTE

See TM 11-6140-203-14-2 for list of expendable supplies and materials required.

3. Applicable Publications:

TM 11-6140-203-14-1
TM 11-6140-203-14-2
TM 11-6140-203-30P-2

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* The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

** Two (2) each required at AVIM level.

*** Required for charging when 115/230 volts AC power is not available.

**** Used with PP-1104.

(Illustration Not Available)

Figure 130.1. BB–658/A Battery

1. Brief Description: The BB–658/A is a 24 volt 17 ampere hour nickel cadmium battery designed for engine starting and emergency power in the OH–58D aircraft. The battery utilizes 19 each BB–659/A cells connected in series and has thermostatically controlled heaters capable of providing 600 watts from internal battery power at 24 volts DC. This battery is designed to operate with the battery charger, Bell P/N 406–075–807–101 installed on the OH–58D.

2. Applicable Tools & Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

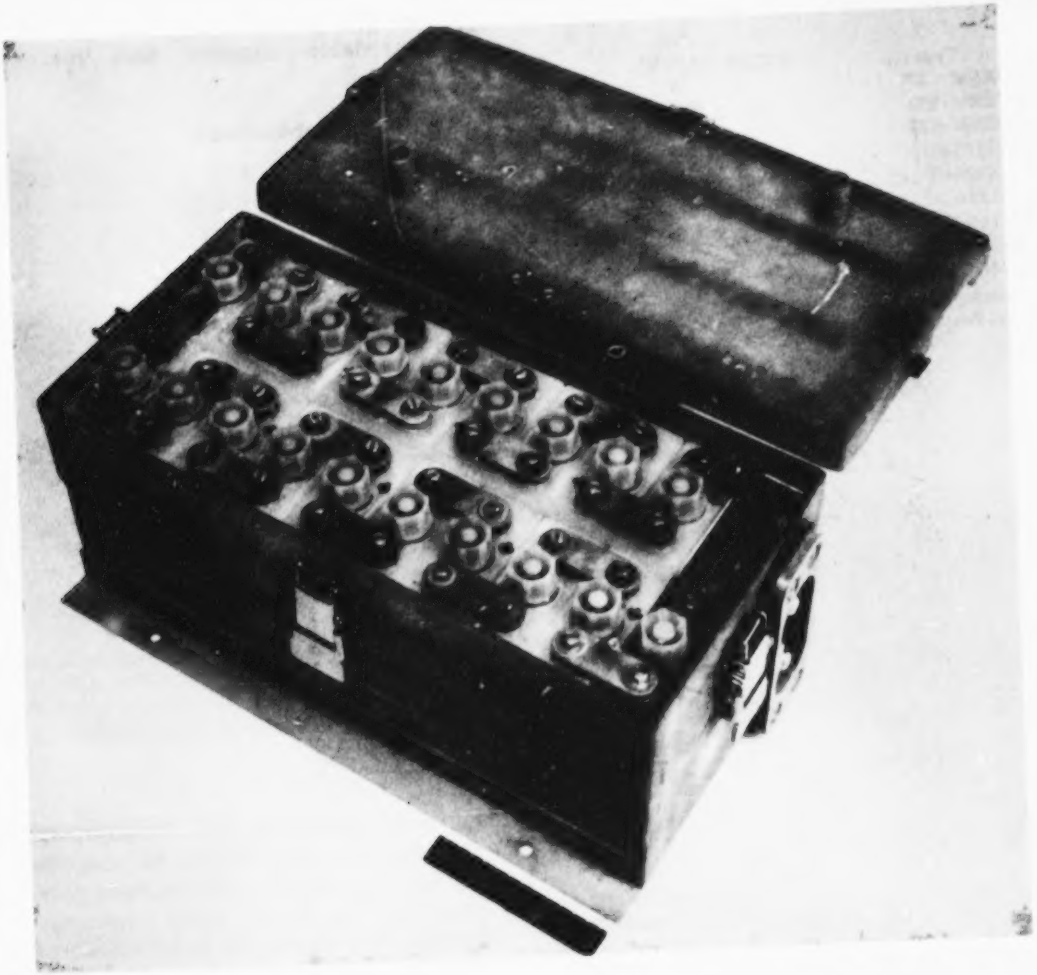

Figure 131. BB-676/A Battery

1. Brief Description: Storage Battery BB-676/A provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB-652/A cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB-676/A is rated at 13 amperes and is similar to the BB-476/A utilizes a separator material while the BB-476/A utilizes a separator material called Permion.

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	O (AVUM)	F/H (AVIM)
* AN/ASM-137( )		X
** AN/USM-223	X	X
* AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
* PP-1104C/G		X
* PP-1451/G		X
* PP-1659/G		X
TK-90/G	X	X
*** Generator, 3KW		X
**** Relay, Reverse Current		X

NOTE

See TM 11-6140-203-14-2 for list of expendable supplies and materials required.

3. **Applicable Publications:**

TM 11-6140-203-14-1
TM 11-6140-203-14-2
TM 11-6140-203-30P-2

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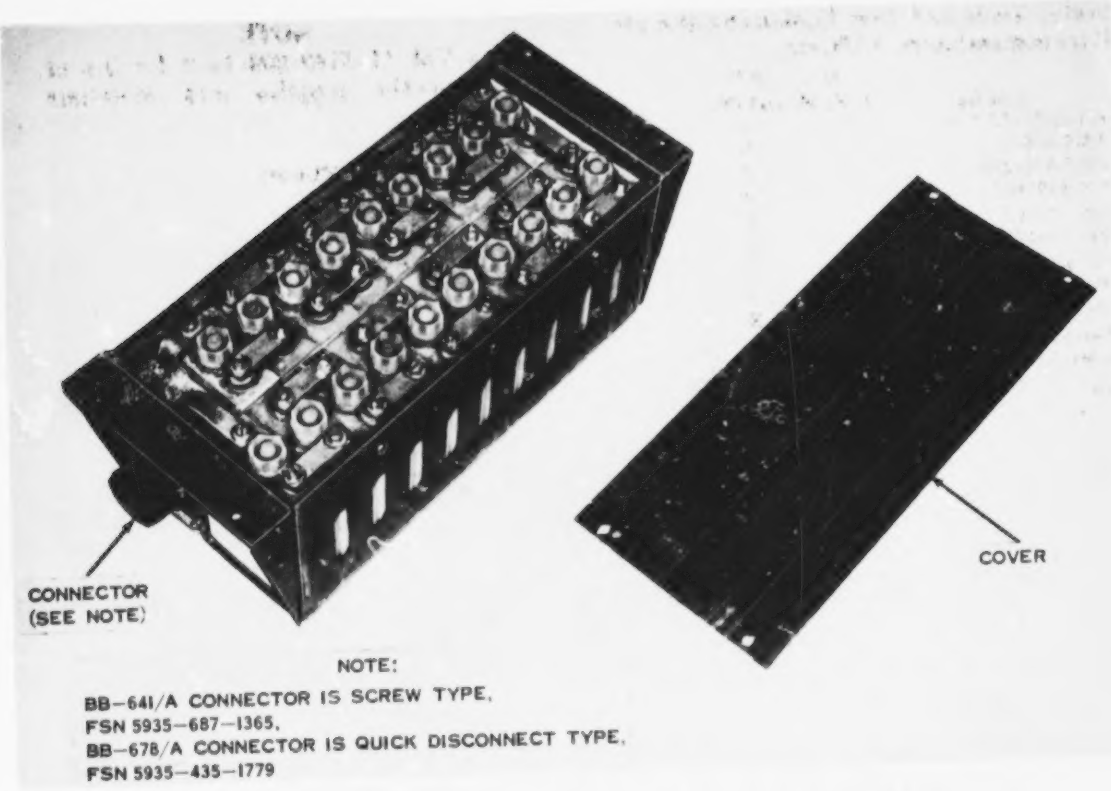
* The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

** Two (2) each required at AVIM level.

*** Required for charging when 115/230 volts AC power is not available.

**** Used with PP-1104.



NOTE:
BB-641/A CONNECTOR IS SCREW TYPE,
FSN 5935-687-1365.
BB-678/A CONNECTOR IS QUICK DISCONNECT TYPE,
FSN 5935-435-1779

Figure 132. BB-678/A Battery

1. Brief Description:

Storage Battery BB-678/A provides a source of 24 volts DC electrical power for starting aircraft engines and powering electrical and electronic equipment under emergency conditions when the normal source of DC power on an aircraft fails during flight. This battery is a nickel-cadmium type (vented) with 19 BB-652/A cells connected in series. The electrolyte consists of an aqueous solution of potassium hydroxide (KOH). The BB-678/A is rated at 13 ampere-hours.

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O (AVUM)*	*F/H (AVIM)*
*AN/ASM-137( )		X
**AN/USM-223	X	X
*AN/USM-432		X
CX-11779/U		X
CX-11934/U		X
*PP-1104C/G		X
*PP-1451/G		X
*PP-1659/G		X
TK-90/G	X	X
***Generator, 3KW		X
****Relay, Reverse Current		X

*The AN/USM-432 is the preferred charger/analyzer. If it is not available, the AN/ASM-137, PP-1659, PP-1104, or PP-1451 can be used.

**Two (2) each required at AVIM level.

***Required for charging when 115/230 volts AC power is not available.

****Used with PP-1104.

NOTE

See TM 11-6140-203-14-2 for list of expendable supplies and materials required.

3. Applicable Publications:

TM 11-6140-203-14-1
TM 11-6140-203-14-2
TM 11-6140-203-30P-2

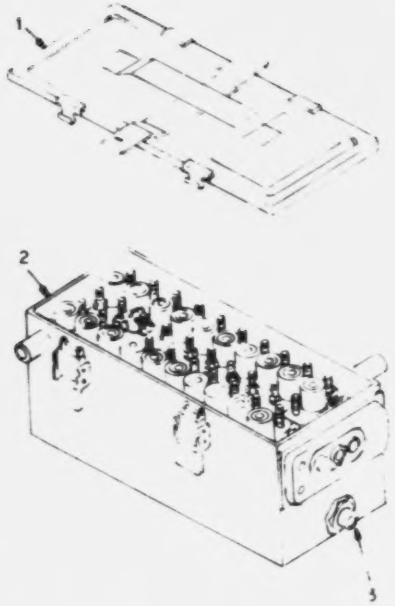


Figure 133. BB–716/A Battery

1. Brief Description:

The BB–716/A is a nickel-cadmium battery installed in the UH–60A helicopters. The battery contains 20 series connected cells (19 ea standard and 1 ea low capacity). The electrolyte consists of potassium hydroxide. The one low capacity cell provides a signal if the battery contains only 40 percent of its original capacity. All cells in the battery contain cellophone type separators and as such can be degraded by excessive heat and/or overcharge. However, the PP–7723/A charger used on the helicopters provides a controlled overcharge and over temperature protection to prevent this occurrence. Part number for the cells are:

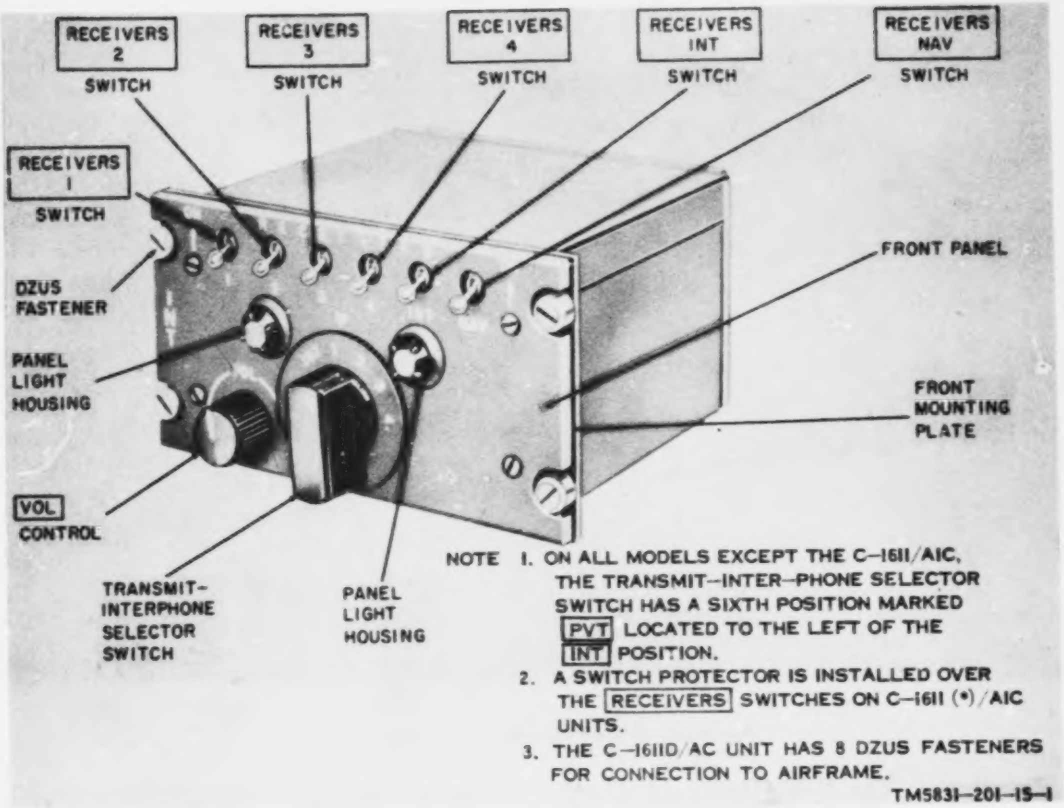
19804–14	Standard Cell
29150–2	Low Capacity Cell

2. Applicable Tools and Test Equipment:

Not definitized at the time of this printing.

3. Applicable Publications:

TM 11–6140–203–14–1
TM 11–6140–203–30P–2


RECEIVERS 2 SWITCH
RECEIVERS 3 SWITCH
RECEIVERS 4 SWITCH
RECEIVERS INT SWITCH
RECEIVERS NAV SWITCH
RECEIVERS 1 SWITCH
DZUS FASTENER
PANEL LIGHT HOUSING
FRONT PANEL
FRONT MOUNTING PLATE
VOL CONTROL
TRANSMIT-INTERPHONE SELECTOR SWITCH
PANEL LIGHT HOUSING
TM5831-201-15-1

NOTE 1. ON ALL MODELS EXCEPT THE C–1611/AIC, THE TRANSMIT–INTER–PHONE SELECTOR SWITCH HAS A SIXTH POSITION MARKED PVT LOCATED TO THE LEFT OF THE INT POSITION.

2. A SWITCH PROTECTOR IS INSTALLED OVER THE RECEIVERS SWITCHES ON C–1611 (*)/AIC UNITS.

3. THE C–1611D/AC UNIT HAS 8 DZUS FASTENERS FOR CONNECTION TO AIRFRAME.

Figure 134. C-1611( )/AIC Communication Control

1. Brief Description: The C-1611( )/AIC is a completely transistorized intercommunications and control unit of a multistation intercommunications and radio control system used in Army aircraft. The system may include a maximum of six Intercommunication Control Sets C-1611( )/AIC, eight radio receivers and four transmitters. The input power requirement is 27.5 volts DC at 200 ma.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/URM-127		X	X
AN/USM-223		X	X
ME-30A/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1588/AIC		X	X

3. Applicable Publications:

TM 11-5831-201-20
TM 11-5831-201-20P
TM 11-5831-201-34P
TM 11-5831-201-35

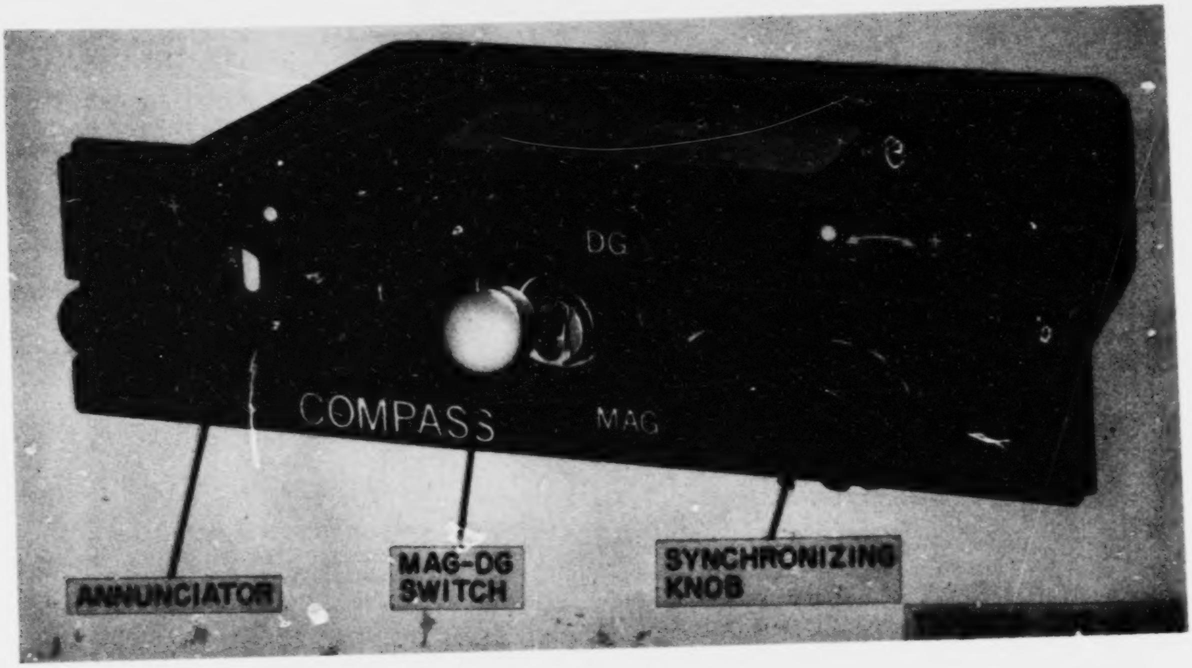


Figure 135. C-6347/ASN-43 Compass Control

1. **Brief Description:** The C-6347/ASN-43 Compass Control is used with the AN/ASN-43 system on the AH-1S aircraft. It essentially performs functions in the AH-1S that are performed by the ID-1351 or ID-998 and AM-3209 in other aircraft. It serves to electrically synchronize and mechanically align the AN/ASN-43 to the correct magnetic heading when used in the MAG mode of operation. It transfers heading information from the T-611/ASN to the CN-998/ASN-43 in the MAG mode and operates the relay in the CN-998 to place the AN/ASN-43 into the MAG or DC mode of operation. The synchronizing knob on the C-6347 may be used as a set heading knob for operation in the DG mode.

2. **Applicable Tools and Test Equipment:** See data sheet for AN/ASN-43.

3. **Applicable Publications:**
TM 11-6605-202-12 (Pertains to AN/ASN-43)
TM 11-6605-202-24P (Pertains to AN/ASN-43)
TM 11-6605-202-35 (Pertains to AN/ASN-43)

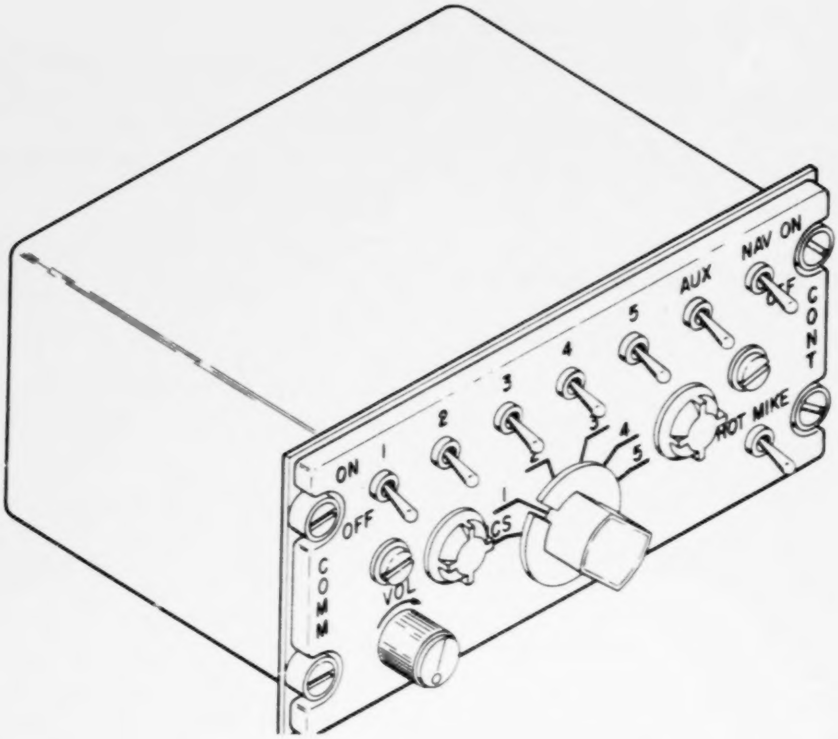


Figure 136. C–6533/ARC Communication Control

1. Brief Description: Communication System Control C–6533/ARC provides an intercommunication capability between two or three crewmember stations, each having a communication control. The C–6533/ARC also provides a means by which the communication control operators may select and control associated radio equipment for voice transmission and reception. The operator may select any one of five receiver-transmitters for voice operation, select any of eight receiver circuits to monitor and communicate with two other crewmember stations within an aircraft. Power input requirement is 27.5 volts DC at approximately .2 amp.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM–105C	X		
AN/URM–127		X	X
AN/USM–223		X	X
H–157/AIC		X	X
ME–26B/U		X	X
ME–30A/U		X	X
MK–994/R		X	X
TK–100/G		X	X
TK–101/G	X		
TK–105/G		X	X
TS–1836B/U		X	X

NOTE

Some C–6533 sets are covered by a warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

TM 11–5821–262–20
TM 11–5821–262–35
TM 11–5895–1174–24P

(Illustration not available)

Figure 136.1 C–8021( )/ASN–75 Compass Control

1. Brief Description: The C–8021( )/ASN–75 Compass Control is used with the AN/ASN–43 gyro compass system in the UH–60 and CH–47D aircraft. further details were not available at the time of this printing.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11–1520–237–23–1 (UH–60A)
TM 11–1520–237–23–2 (UH–60A)
TM 11–1520–237–23–3 (UH–60A)
TM 11–1520–237–23P (UH–60A)
TM 11–1520–240–20 (CH–47D)
TM 11–1520–240–20P(CH–47D)
TM 11–1520–240–30P(CH–47D)
TM 11–1520–240–34 (CH–47D)
TM 11–1520–240–34P(CH–47D)

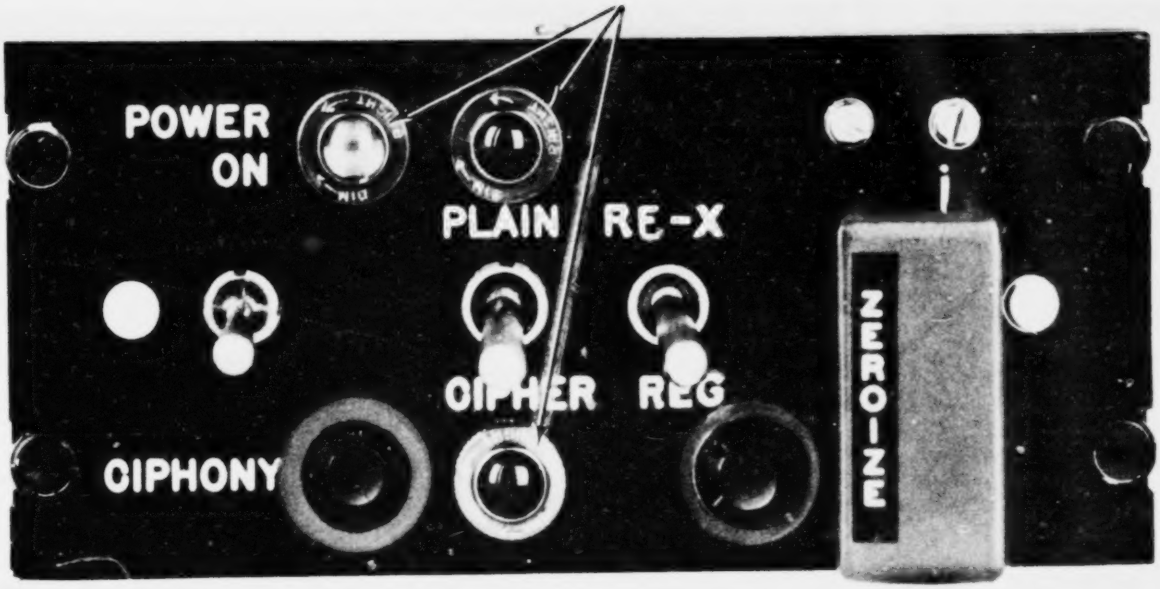


Figure 137. C-8157/ARC Control-Indicator

1. Brief Description: Control Indicator C-8157/ARC provides control of the TSEC/KY-28 cipher equipment during voice security (X mode) operation. Input power requirement is 28 volts DC at .5 amps.

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/USM-223		X	X
ME-26B/U		X	X

Type No.	*O*	*F*	*H*
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-5810-244-10 (Pertains to TSEC/KY-28)
TM 11-5810-244-20 (Pertains to TSEC/KY-28)
TM 11-5810-244-34P (Pertains to TSEC/KY-28)
TM 11-5895-555-23P
TM 11-5895-555-24

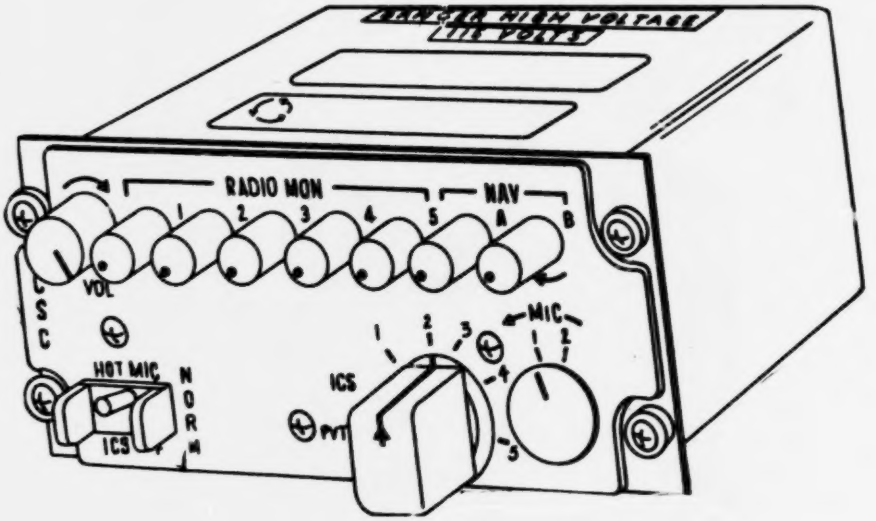

DANGER HIGH VOLTAGE
115 VOLTS
RADIO MON
1
2
3
4
5
NAV
A
B
VOL
CSC
HOT MIC
ICS
NORM
ICS
PVT
1
2
3
4
5
MIC
1
2

Figure 138. C–10414(V)3/ARC

1. Brief Description:

The C–10414/ARC Communications Control Panel accommodates up to five receiver-transmitters, six navigation receivers, two intercom channels and miscellaneous audible warning signals. Each radio output channel is isolated from all other signals by 120 decibels (DB's) or greater which eliminates the need for external discriminators, threshold devices, etc., to comply with TEMPEST requirements. The C–10414 requires 15 watts of 28 VDC power and weighs less than 2.5 pounds.

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*(AVUM)*	*(AVIM)*
TK–101/G	X	

NOTE

Other tool and test equipment requirements were not defined at the time of this printing.

3. Applicable Publications:

TM 11–5821–320–12
TM 11–5821–320–20P

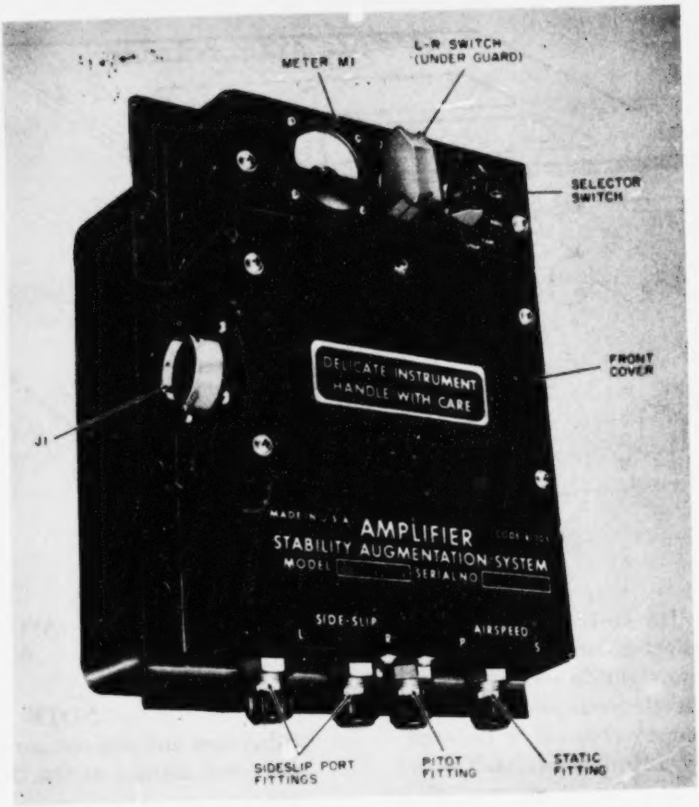

METER M1
L-R SWITCH (UNDER GUARD)
SELECTOR SWITCH
FRONT COVER
J1
DELICATE INSTRUMENT HANDLE WITH CARE
MADE IN U.S.A.
AMPLIFIER
STABILITY AUGMENTATION SYSTEM
MODEL
SERIAL NO
SIDE-SLIP
L
R
AIRSPEED
P
S
SIDESLIP PORT FITTINGS
PITOT FITTING
STATIC FITTING

Figure 139. CH–47 SAS Amplifer

1. Brief Description: The Stability Augmentation System (SAS) Amplifier is a major component of the SAS installed in CH–47 helicopters. The amplifier is a three-channel flight-stabilization control amplifier, of solid state and printed circuit construction. This unit responds to transient changes on helicopter attitude and amplifies rate-of-motion voltages from internal rate gyros and transducers. Rate-of-motion signals are converted to DC signals which operate torque motors in extensible links in the pitch, roll, and yaw flight control axis. Models of SAS amplifiers differ in printed circuit card complement and chassis-mounted components, however, are similar in appearance, purpose, and operation. Various models are installed in CH–47 aircraft as indicated below:

114E3030–40 (Boeing)	Installed in CH–47A
114E3030–42 (Boeing)	Installed in CH–47A
114E3030–43 (Boeing)	Installed in CH–47A
114E3030–47 (Boeing)	Installed in CH–47B
114E3030–49 (Boeing)	Installed in CH–47C

NOTE

The 114E3030–40 Amplifier should not be installed in aircraft equipped with high flotation landing gear and power steering. Damage to the aircraft can result.

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM–120		X	X
AN/URM–105	X		
AN/USM–223		X	X
MB–1	X	X	X
ME–26B/U		X	X
ME–30A/U		X	X
SM–335/ASM	X		
TK–100/G		X	X
TK–101/G	X		
TK–105/G		X	X
TS–1836/U		X	X
TS–1893/ASM	X		
TS–1894/ASM		X	X

3. Applicable Publications:

TM 11–1520–209–20 (Pertains to CH–47 Aircraft)
TM 11–1520–209–20P (Pertains to CH–47 Aircraft)
TM 11–1520–209–34 (Pertains to CH–47 Aircraft)
TM 11–1520–209–34P (Pertains to CH–47 Aircraft)
TM 11–1680–201–34P
TM 11–1680–201–35

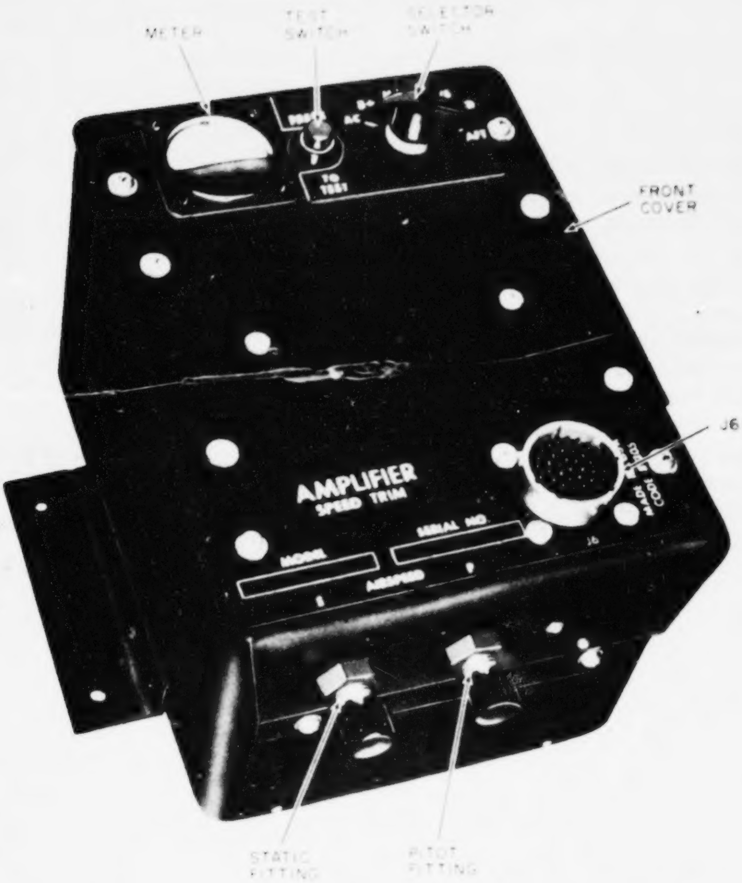


Figure 140. CH-47 Speed Trim Amplifier

1. Brief Description: The speed trim amplifier maintains a constant helicopter attitude and a positive stick gradient by automatically trimming three electromechanical actuators in the helicopter rotor controls to compensate for changes in airspeed. It also provides circuits for manual control of an actuator which establishes the operating range of the pitch-roll control. Various amplifier models are installed in CH-47 aircraft as indicated below:

114E2186-16 (Boeing)	Installed in CH-47A
114E2186-19 (Boeing)	Installed in CH-47A
114E2186-23 (Boeing)	Installed in CH-47B
114E2186-26 (Boeing)	Installed in CH-47B
114E2186-30 (Boeing)	Installed in CH-47C
114E2186-33 (Boeing)	Installed in CH-47C with fiberglass rotor blades

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-121		X	X
AN/URM-105C	X		
AN/USM-223		X	X
MB-1	X	X	X
ME-26D/U		X	X
ME-30A/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1836D/U		X	X
TS-1893/ASM	X		

3. Applicable Publications:

TM 11-1520-209-20 (Pertains to CH-47 Aircraft)
TM 11-1520-209-20P (Pertains to CH-47 Aircraft)
TM 11-1520-209-34 (Pertains to CH-47 Aircraft)
TM 11-1520-209-34P (Pertains to CH-47 Aircraft)
TM 11-6610-202-34P
TM 11-6610-202-35

(Illustration not available)

Figure 141. CH-54B Automatic Flight Control System

1. Brief Description: The CH-54B Automatic Flight Control System (AFCS) improves the stability and maneuverability of the helicopter during missions concerned with transportation, pick-up, and release of equipment and cargo suspended beneath the helicopter. The AFCS performs its function by utilizing the individual capabilities of three interrelated systems: the basic AFCS, the normal remote stick system, and the auxiliary remote stick system. The AFCS improves the handling characteristics of the helicopter by introducing corrections that automatically stabilize the helicopter at the reference pitch and roll attitudes, reference engaged altitude, and reference heading established by the pilot. The system may be engaged prior to take-off and left engaged during the entire mission or can be easily (overridden) in case of malfunction. Major electronic components of this system are as follows:

AM-6279/ASW	Amplifier
AM-6280/ASW	Amplifier
C-7266/ASW-29	Control
C-8476/ASW	Control
C-8477/ASW	Control
C-8478/ASW	Controller
CN-1325/ASW	Gyroscope (4 ea)
HD-769/ASW-29	Dehydrator Unit
ID-1720/ASW	Indicator
MX-8611/ASW	Accelerometer (2 ea)
SN-410/ASW-29	Synchro
SN-441/ASW	Synchro (2 ea)
SN-442/ASW	Synchronizer (2 ea)

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-417		X	X
AN/ASM-418	X		

NOTE

Other tool and test equipment requirements were not defined at the time of this printing.

3. Applicable Publications:

TM 11–1520–217–20–2 (Pertains to CH–54B Aircraft)

TM 11–1520–217–20P–2 (Pertains to CH–54B Aircraft)

TM 11–1520–217–34P–2 (Pertains to CH–54B Aircraft)

TM 11–1520–217–35–2 (Pertains to CH–54B Aircraft)

TM 11–6615–241–20P–1 (Pertains to CH–54B AFCS)

TM 11–6615–241–34P–1 (Pertains to CH–54B–AFCS)

TM 11–6615–241–35–1–1 (Pertains to CH–54B AFCS)

TM 11–6615–241–35–1–2 (Pertains to CH–54B AFCS)

TM 11–6615–241–35–1–3 (Pertains to CH–54B AFCS)

(Illustration Not Available)

Figure 141.1. CM–482/ARC–186 & CM–492/ARC–186 Signal Data Comparators

1. Brief Description: The CM–482/ARC–186 and CM–492/ARC–186 signal data comparators provide left-right homing information in the frequency range of 30.000 to 87.975 MHz when used in conjunction with the ID–1351A, Heading-Radio Bearing, or similar indicator and the RT–1354/ARC–186 or RT–1300/ARC–186(V) transceivers. Use of the FM homing modules is dependent on the mode of operation desired for which the aircraft is equipped. The CM–482/ARC–186(V) provides signal amplitude homing and the CM–492/ARC– 186(V) provides phase-front homing. The two modules are similar in function and performance.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

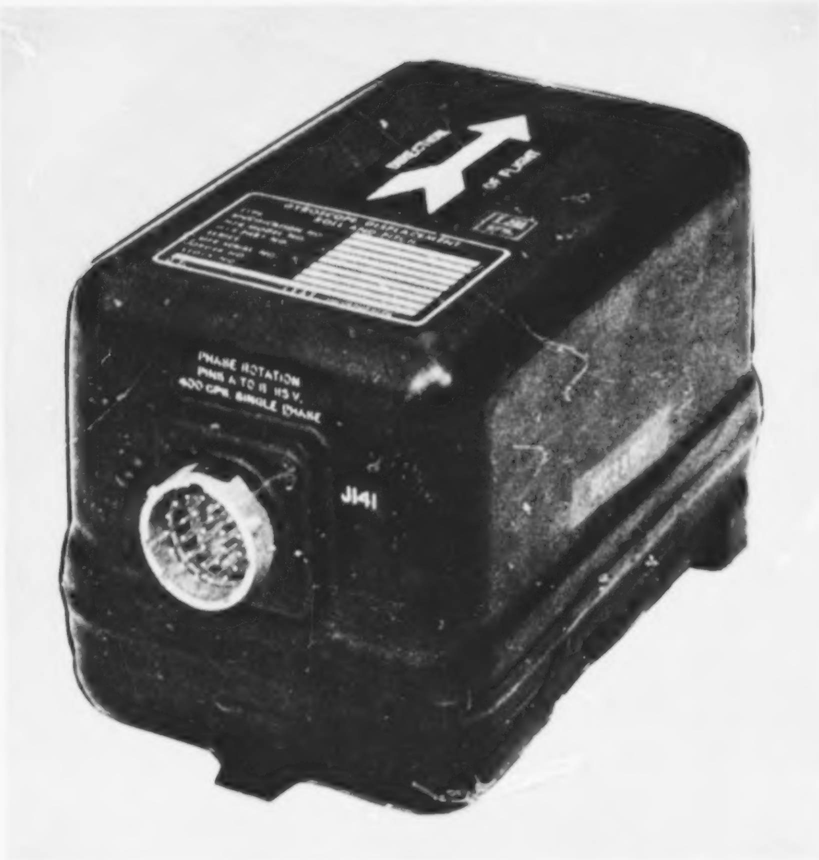

DIRECTION OF FLIGHT
GYROSCOPE DISPLACEMENT ROLL AND PITCH
PHASE ROTATION PINS A TO B 115 V. 400 CPS SINGLE PHASE
J141

Figure 142. CN–811( )/ASN Gyro

1. Brief Description: The CN–811( )/ASN is a roll and pitch displacement gyro used in aircraft attitude indicating systems. There are various models of the CN–811( )/ASN (Plain, A, B, & C) as well as other part numbered gyros (9000F and SBU–6) that are used on the CH–47( ) aircraft. The main differences between the various models of the gyros is in the input power requirement of the gyro and also the model of aircraft capable of accepting it. The following matrix depicts the power requirement of the gyro and also the model of aircraft capable of accepting it.

Item	Power Rqmt	Aircraft Type
CN–811(Plain)/ASN	Three Phase	CH–47A, B, & C
CN–811A/ASN	Three Phase	CH–47A, B, & C
CN–811B/ASN	Single Phase	All (CH–47A, B, C, D)
CN–811C/ASN	Single Phase	All (CH–47A, B, C, D)
9000F	Single Phase	All (CH–47A, B, C, D)
SBU–6	Three Phase	CH–47A, B, & C

2. Applicable Tools and Test Equipment:

Not applicable.

3. Applicable Publications:

TM 11–1520–209–20 (Pertains to CH–47A/B/C Aircraft)
TM 11–1520–209–20P (Pertains to CH–47A/B/C Aircraft)
TM 11–1520–209–34 (Pertains to CH–47A/B/C Aircraft)
TM 11–1520–209–34P (Pertains to CH–47A/B/C Aircraft)
TM 11–1520–240–20 (Pertains to CH–47D Aircraft)
TM 11–1520–240–20P (Pertains to CH–47D Aircraft)
TM 11–1520–240–30P (Pertains to CH–47D Aircraft)
TM 11–1520–240–34 (Pertains to CH–47D Aircraft)

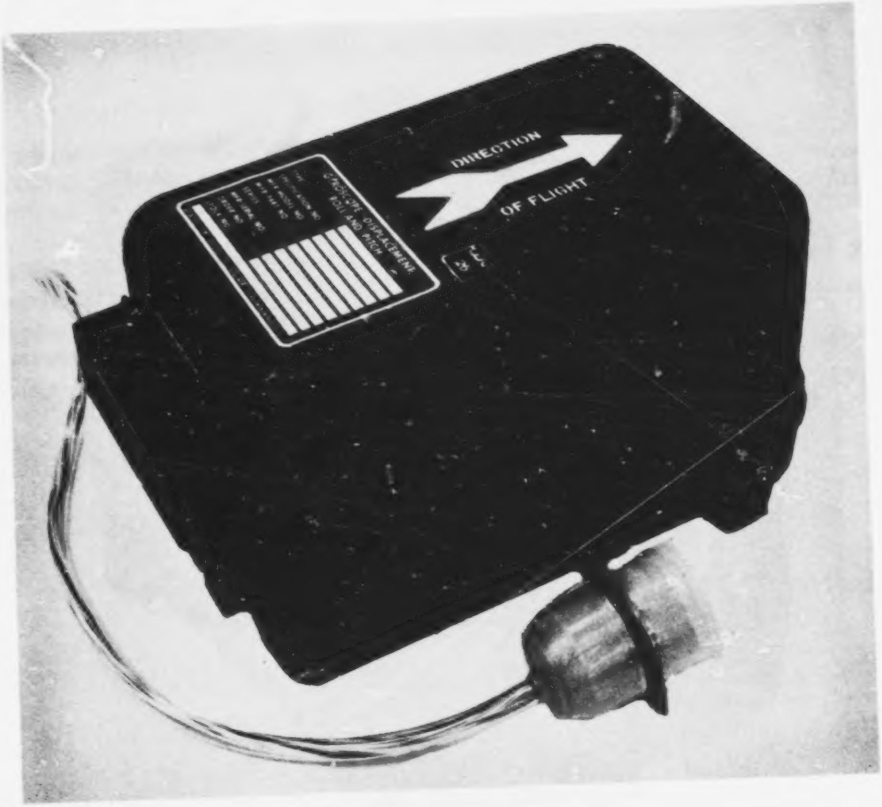


Figure 143. CN-1179/ASW Gyro

1. Brief Description: The CN-1179/ASW displacement gyroscope senses helicopter pitch and roll attitudes with respect to a level attitude. The CN-1179/ASW consists of a gyro rotor, rotor driven motor, gyro frame, rotor symbols and an errection system. The unit is contained in a hermetically sealed case with a 26-pin electrical connector at one end of the unit. Input power requirement is 115 volts, three-phase, 400 Hz.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-1520-217-20 (Pertains to CH-54A)
TM 11-1520-217-20-2 (Pertains to CH-54A)
TM 11-1520-217-20P (Pertains to CH-54A)
TM 11-1520-217-20P-2 (Pertains to CH-54A)
TM 11-1520-217-34P (Pertains to CH-54A)
TM 11-1520-217-34P-2 (Pertains to CH-54A)
TM 11-1520-217-35 (Pertains to CH-54A)
TM 11-1520-217-35-2 (Pertains to CH-54A)

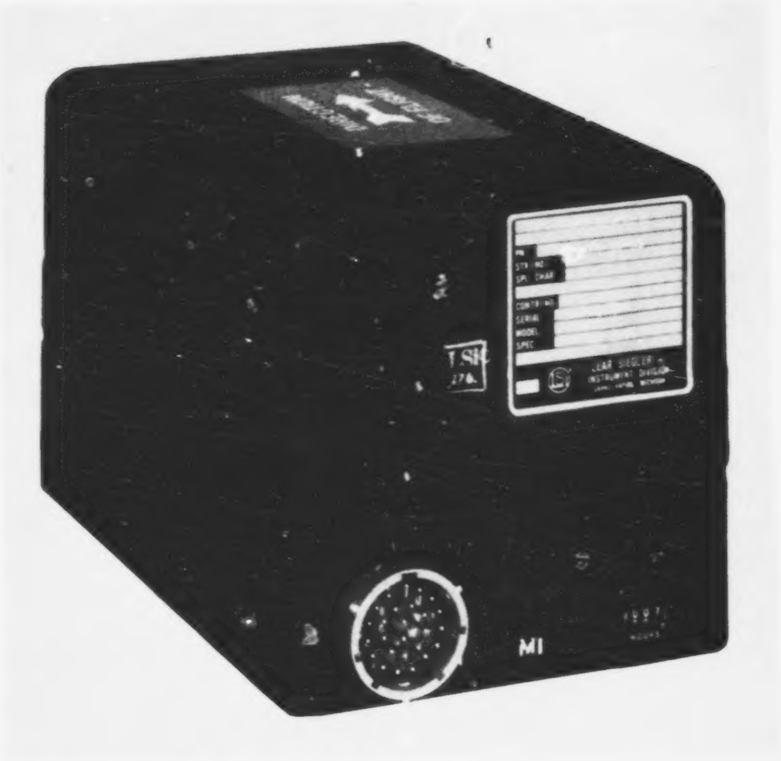


Figure 144. CN-1314/A Gyro

1. Brief Description: The CN-1314/A Vertical Displacement Gyro senses pitch and roll attitudes and provides appropriate signals to the aircraft attitude indicator system.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-1520-217-20 (Pertains to CH-54A)
TM 11-1520-217-20-2 (Pertains to CH-54A)
TM 11-1520-217-20P (Pertains to CH-54A)
TM 11-1520-217-20P-2 (Pertains to CH-54A)
TM 11-1520-217-34P (Pertains to CH-54A)
TM 11-1520-217-34P-2 (Pertains to CH-54A).
TM 11-1520-217-35 (Pertains to CH-54A)
TM 11-1520-217-35-2 (Pertains to CH-54A)
TM 11-1520-221-20 (Pertains to AH-1)
TM 11-1520-221-24P-1 (Pertains to AH-1)
TM 11-1520-221-34 (Pertains to AH-1)
TM 11-1520-221-34P (Pertains to AH-1)
TM 11-1520-237-23-1 (Pertains to UH-60)
TM 11-1520-237-23-2 (Pertains to UH-60)
TM 11-1520-237-23-3 (Pertains to UH-60)
TM 11-1520-237-23P (Pertains to UH-60)

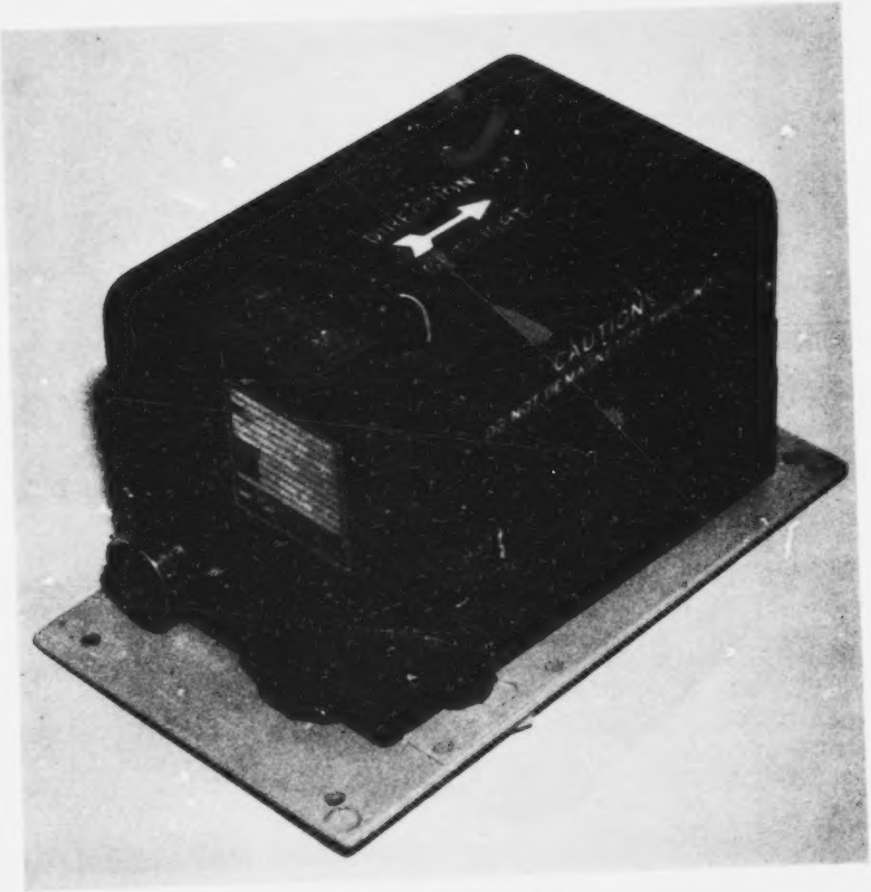


Figure 145. CN-1497/A Gyro

1. Brief Description: The CN-1497/A is essentially a CN-1314/A Vertical Displacement Gyro mounted on a special alignment plate, P/N 209-075-964-5, for use in the AH-1S aircraft.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-1520-221-20 (Pertains to AH-1( ) aircraft)
TM 11-1520-221-20P (Pertains to AH-1( ) aircraft)
TM 11-1520-221-34 (Pertains to AH-1( ) aircraft)
TM 11-1520-221-34P (Pertains to AH-1( ) aircraft)
TM 11-1520-236-20 (Pertains to AH-1( ) aircraft)
TM 11-1520-236-20P (Pertains to AH-1( ) aircraft)
TM 11-1520-236-34 (Pertains to AH-1( ) aircraft)
TM 11-1520-236-34P (Pertains to AH-1( ) aircraft)
TM 11-1520-239-20P (Pertains to AH-1( ) aircraft)
TM 11-1520-239-34P (Pertains to AH-1( ) aircraft)

(Illustration Not Available)

Figure 145.1. CP–1516/ASQ Automatic Target Handoff System

1. Brief Description: The Automatic Target Handoff System (ATHS), CP–1516/ASQ, is a single Line Replaceable Unit (LRU) that is remotely mounted in the aircraft and is controlled by whatever cockpit display is present in the host aircraft. The CP–1516/ASQ is an airborne mission computer designed to provide Aeroscout and attack crews a digital communications net over which air crews exchange mission essential information accurately and with low probability of detecting. The unit uses the MIL–STD–1553B data bus to transfer data to and from other avionic systems, including the mast mounted sight, doppler navigation and crew controls and displays. It transmits its FSK digital data over any of four radios on the aircraft and is COMSEC capable. The CP–1516/ASQ is intended to be used on the OH–58D and AAH–64 helicopters.

2. Applicable Tools and Test Equipment: See Appendix "B" for nomenclature, NSN, etc.

Type No.	*AVUM*	*AVIM*
AN/PSM–45		X
AN/USM–281C		X
PP–( ) (6130–00–065–6811)		X
TK–101/G	X	
TK–105/G		X
SCI BCSI01A (1553 Bus Simulator)		X

3. Applicable Publications:

Applicable technical manuals(s) not available at time of this printing.

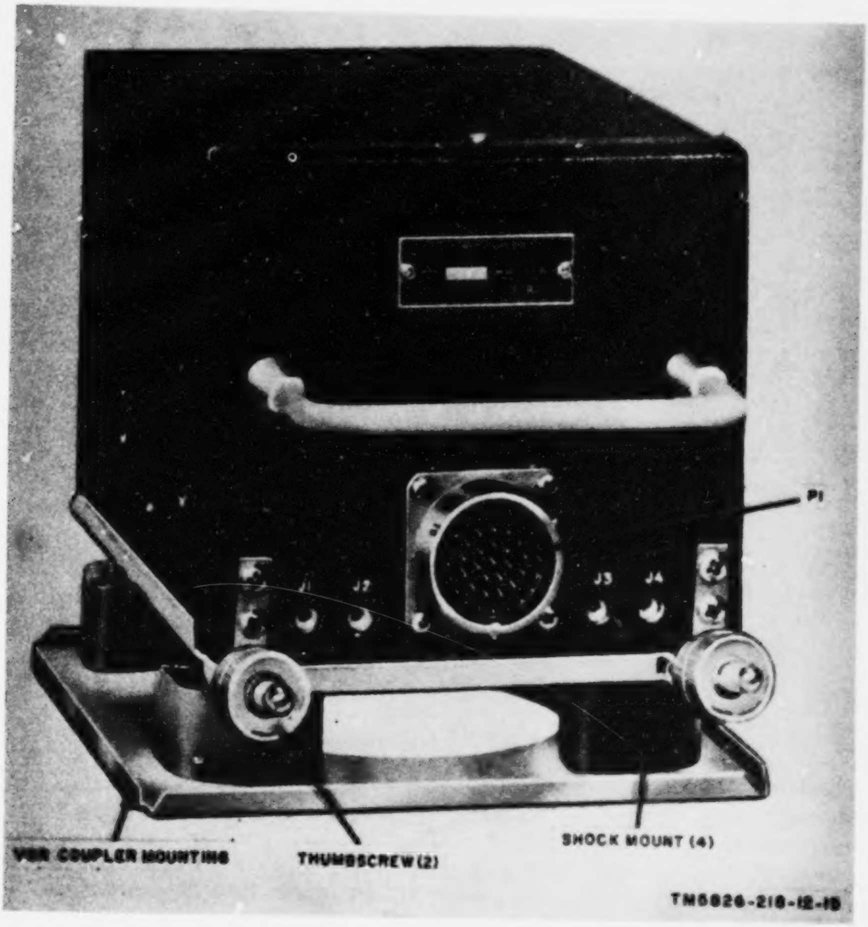

P1
J1
J2
J3
J4
VOR COUPLER MOUNTING
THUMBSCREW (2)
SHOCK MOUNT (4)
TM5826-218-12-19

Figure 146. CU–865/ASN Indicator Coupler

1. Brief Description: The CU–865/ASN Coupler, Indicator is used with the AN/ASN–33 and it connects the output of the VOR receiver (either the deviation or localizer signal) to the course indicator and to the steering computer. Input power requirements are 115 volts AC, 400 Hz at .6 amperes and 27.5 volts DC at 50 ma.

2. Applicable Tools and Test Equipment: Refer to data sheet for AN/ASN–33.

3. Applicable Publications:

TM 11–5826–218–12 (Pertains to AN/ASN–33)
TM 11–5826–218–20P (Pertains to AN/ASN–33)
TM 11–5826–218–34P (Pertains to AN/ASN–33)
TM 11–5826–218–35 (Pertains to AN/ASN–33)

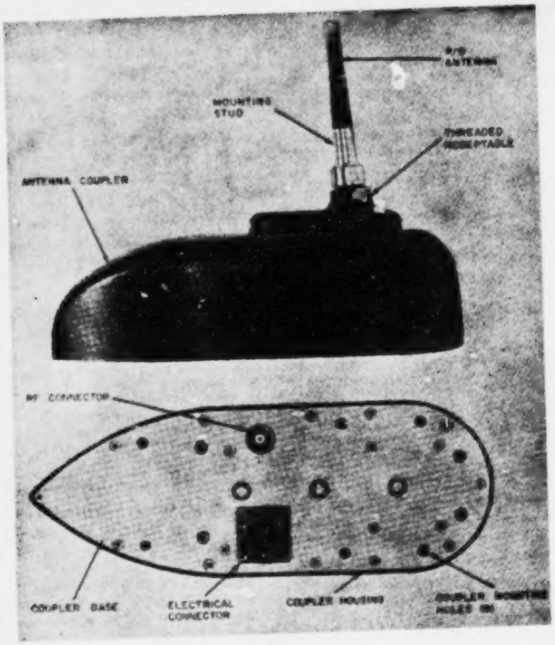

ANTENNA
MOUNTING STUD
THREADED RECEPTACLE
ANTENNA COUPLER
RF CONNECTOR
COUPLER BASE
ELECTRICAL CONNECTOR
COUPLER HOUSING
COUPLER MOUNTING HOLES (8)

Figure 147. CU–942( )/ARC Antenna Coupler

1. Brief Description:

Antenna Coupler CU–942( )/ARC is designed to match the AS–1703/AR antenna to the transmitter output circuits of VHF–FM radio sets such as the AN/ARC–54/131 and AN/ARC–114. The CU–942( )/ARC contains impedance matching circuits which provide the proper VSWR. The CU– 942/ARC and CU–942A/ARC are compatible only with the AN/ARC–54/131. The CU–942B/ARC is compatible with either the AN/ARC–54/131 or the AN/ARC–114 but it is not electrically interchangeable with the CU–942/ARC and CU–942A/ARC since it has no moving parts, is completely solid state, does not employ internal switching and therefore does not require DC power for tuning. (Refer to the CU–2206/ARC for data on the coupler formerly nomenclatured as CU–942C/ARC.) The CU–942B must be installed in UH–1 SN 70–16200 and subsequent. All models can be used in aircraft prior to SN 70–16200.

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM–105C	X		
AN/USM–223		X	X
TK–100/G		X	X
TK–101/G	X		
TK–105/G		X	X

3. Applicable Publications:

TM 11–5821–244–12(Pertains to AN/ARC–54)
TM 11–5821–244–20P(Pertains to AN/ARC–54)
TM 11–5821–244–34(Pertains to AN/ARC–54)
TM 11–5821–244–34P(Pertains to AN/ARC–54)

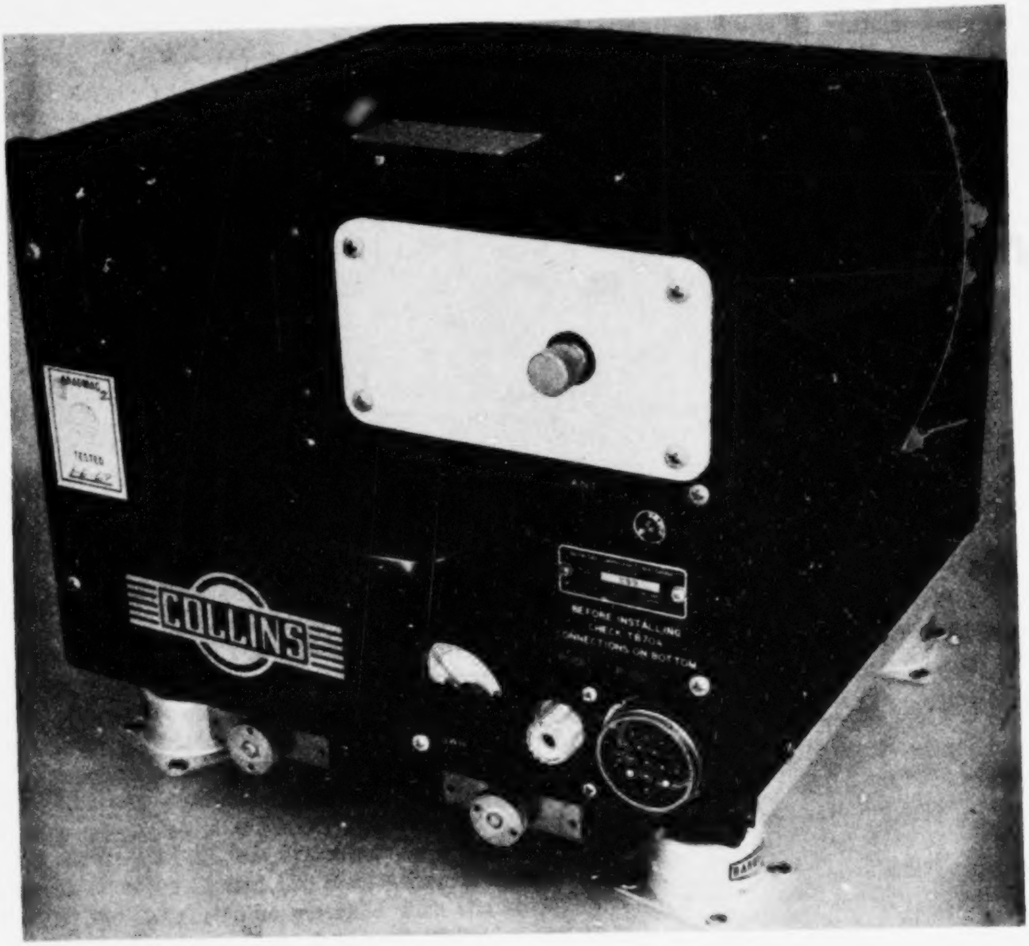


Figure 148. CU-991/AR Antenna Coupler

1. Brief Description: Automatic Antenna Tuner CU-991/AR performs the function of automatically resonating the aircraft antenna to frequencies determined by the associated transceiver and coupling the RF signal between the transceiver and the aircraft antenna. When resonating the aircraft antenna, the CU-991/AR compensates for antenna reactance and maintains the effective antenna resistance at 52 ohms. This coupler is designed for use with transceivers with a frequency range of 2 to 25 MHz and a transmitter power output of 50 to 150 watts. Any fixed wire antenna between 45 and 100 feet in length and most grounded-end antennas of similar length may be used but in some cases may require a different size shunt capactior than supplied. Input power requirements are 27.5 volts DC at 3 amps and 115 volts AC, 400 Hz, single-phase at 20 volts a. The following component is used with but not issued as part of the CU-991/AR:

MT-1719/AR .... Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-25D		X	X
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-157		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
DA-75/U		X	X
ME-26D/U		X	X
MK-722/URC		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TV-7D/U		X	X
ZM-16/U		X	X

3. Applicable Publications:

TM 11-5915-201-15
TM 11-5915-201-20
TM 11-5915-201-34P

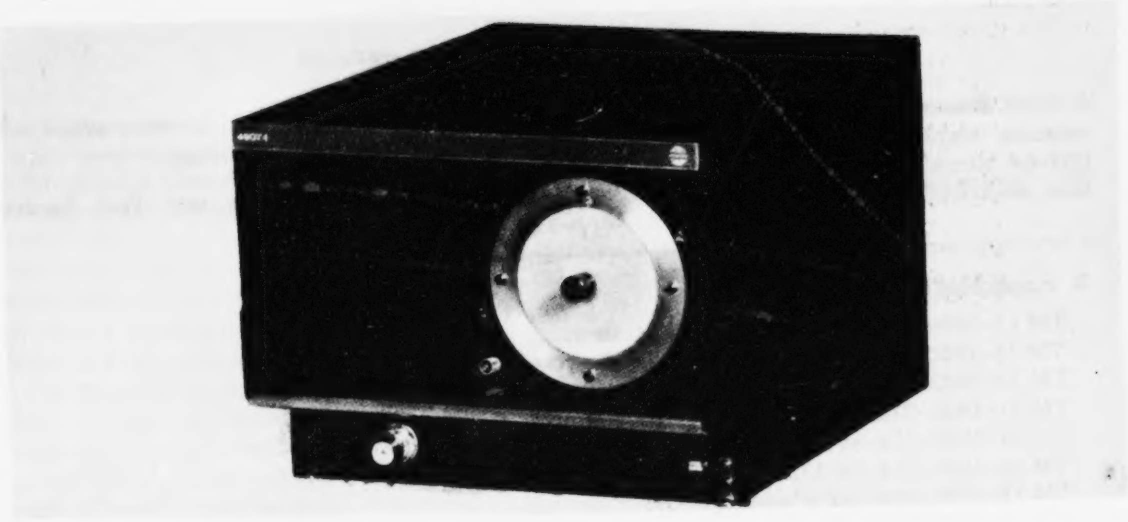


Figure 149. CU-1658A/ARC Antenna Coupler

1. Brief Description: The CU-1658A/ARC is a HF antenna coupler designed for use with transmitters with a frequency range of 2.000 to 29.999 MHz and a power output of 650 watts PEP (SSB) or 200 watts AM. It is automatically tuned in 3 seconds when a new frequency is selected, using any high frequency radio set such as the AN/ARC-102. It will match a whip antenna of 25 feet or longer, or a long wire antenna between 25 and 100 feet. Antenna shorter than 25 feet may also be matched with the aid of external loading coils. The power requirement is 115 volts AC, single-phase, 400 Hz at 130 watts during manual operation. The following component is used with but not issued as part of the CU-1658A/ARC:

MT-3772A/A	Mounting

The following component is used to adapt the CU-991/AR wiring harness to accept the CU-1658A/ARC:

153L-2 (Collins)	Box Interconnect

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-109		X	X
AN/URM-105C	X		
AN/URM-120		X	X
AN/USM-223		X	X
AN/USM-281A		X	X
DA-75/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-617/U			X

3. Applicable Publications:

TM 11-5985-326-20
TM 11-5985-326-24P
TM 11-5985-326-35

(ILLustration not available)

Figure 150. CU-1759/ARC Antenna Coupler

1. **Brief Description:** The CU-1759/ARC is an FM antenna coupler used in FY 65 through FY 67 OH-6A aircraft. A branched stretch—type antenna lead, electrically isolated from the case, is provided for connection to the antenna which is an integral part of the aircraft canopy.

2. **Applicable Tools and Test Equipment:** Not applicable.

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3. **Applicable Publications:**

TM 11-1520-214-20 (Pertains to OH-6 aircraft)
.TM 11-1520-214-20-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-20P (Pertains to OH-6 aircraft)
TM 11-1520-214-20P-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-34 (Pertains to OH-6 aircraft)
TM 11-1520-214-34-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-34P (Pertains to OH-6 aircraft)
TM 11-1520-214-34P-1 (Pertains to OH-6 aircraft)

(Illustration not available)

Figure 151. CU-1893/A Antenna Coupler

1. **Brief Description:** The CU-1893/A is an FM antenna coupler used with the #1 FM set in FY 68 and 69 OH-6A aircraft. Connection to the antenna, which is an integral part of aircraft canopy, is made using braided lead-in which is electrically isolated from the case of the coupler.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**

TM 11-1520-214-20 (Pertains to OH-6 aircraft)
TM 11-1520-214-20-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-20P (Pertains to OH-6 aircraft)
TM 11-1520-214-20P-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-34 (Pertains to OH-6 aircraft)
TM 11-1520-214-34-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-34P (Pertains to OH-6 aircraft)
TM 11-1520-214-34P-1 (Pertains to OH-6 aircraft)

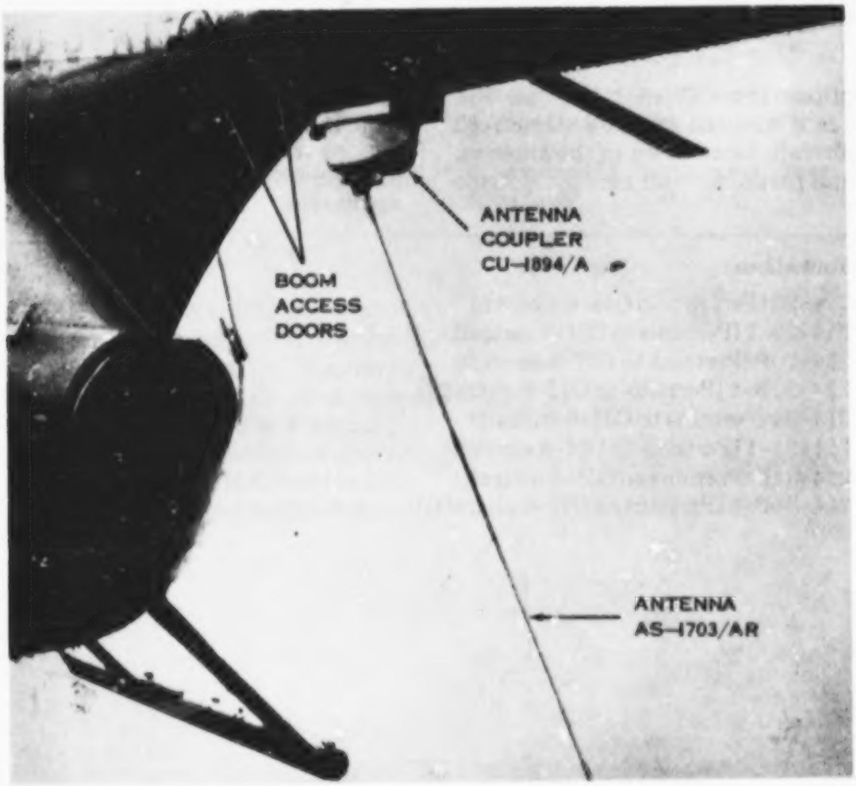

Figure 152. CU-1894/A Antenna Coupler

1. **Brief Description:** The CU-1894/A is an FM antenna coupler used with the #2 FM set in FY 68 and 69 OH-6A aircraft. It is a sealed unit which has a threaded angular protrusion on the bottom for the purpose of installing the AS-1703/AR antenna.

2. **Applicable Tools and Test Equipment:** Not applicable.

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3. **Applicable Publications:**

TM 11-1520-214-20 (Pertains to OH-6 aircraft)
TM 11-1520-214-20-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-20P (Pertains to OH-6 aircraft)
TM 11-1520-214-20P-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-34 (Pertains to OH-6 aircraft)
TM 11-1520-214-34-1 (Pertains to OH-6 aircraft)
TM 11-1520-214-34P (Pertains to OH-6 aircraft)
TM 11-1520-214-34P-1 (Pertains to OH-6 aircraft)

(Illustration Not Available)

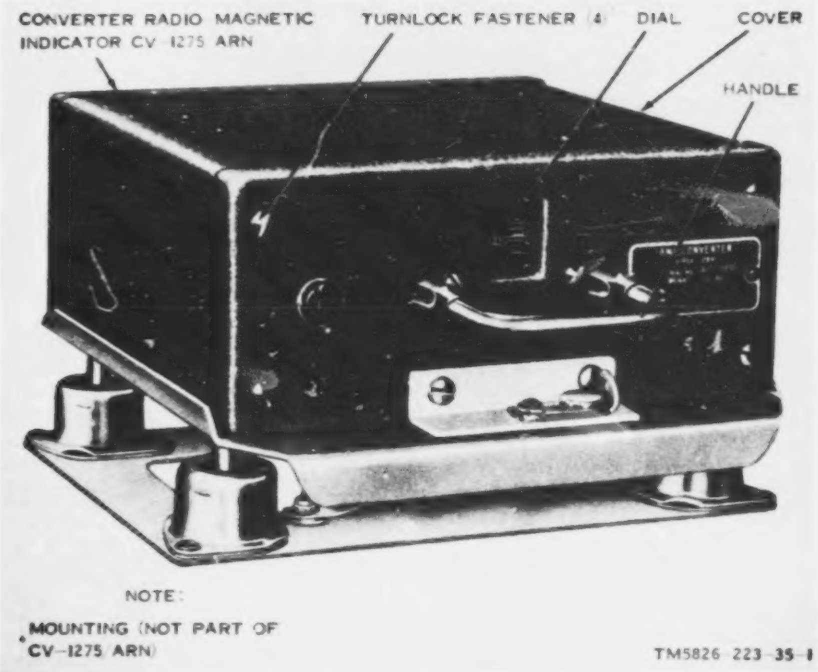
Figure 153. CU–2206/ARC Antenna Coupler

1. Brief Description: Antenna Coupler CU–2206/ARC is designed to match the AS–1703/AR Antenna tc the transmitter output circuits of VHF–FM radio sets such as the AN/ARC–54/131 and AN/ARC–114. The CU–2206/ARC was formerly nomenclatured as the CU–942C/ARC and is similar to the CU–942B/ARC described elsewhere in this publication but it is smaller in length and has a different mounting configuration. This coupler cannot be used on aircraft. Its main application is in the AN/ASC–15 and AN/TSQ–97 systems.

2. Applicable Tools and Test Equipment:

TYPE NO.	*O*	*F*	*H*
AN/URM–105C	X		
AN/USM–223		X	X
TK–100/G		X	X
TK–101/G	X		
TK–105/G			X

3. Applicable Publications. Not defined at the time of this printing.



NOTE:
MOUNTING (NOT PART OF CV–1275 ARN)

Figure 154. CV–1275 ( )/ARN Converter

1. Brief Description: The CV–1275( )/ARN is an aircraft navigational component used with the AN/ARN-30D and 30E radio receiving set. It provides automatic visual omnirange information on the radio magnetic indicator. The CV–1275( )/ARN is an Aircraft Radio Corporation (ARC) Type B–18A. The input power requirements are 27.5 volts DC at 60 ma and 26 volts AC, 400 Hz, at approximately 7 watts.

NOTE

There are three different types of mountings which can be used with CV–1275( )/ARN depending on type of installations. They are as follows:

M–40A	Horizontal Installation
M–41B	Vertical Installation
MT–2659( )/ARN (M–51)	Side Installation

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM–5A		X	X
AN/URM–105C	X		
AN/USM–223		X	X
TK–100/G		X	X
TK–101/G			
TK–105/G		X	X
TS–1836B/U			X

3. Applicable Publications:

TM 11–5826–223–24P
TM 11–5826–223–35

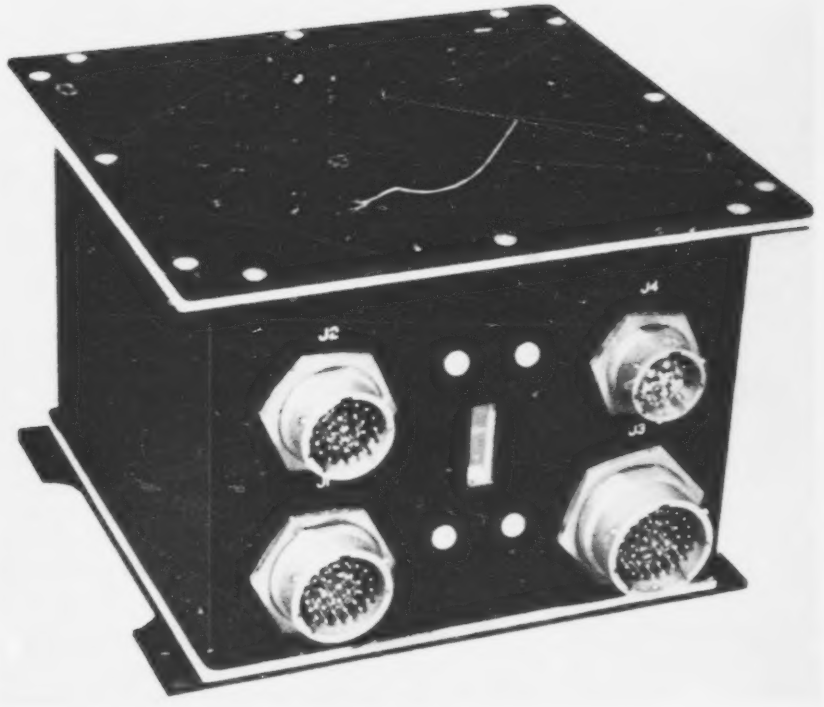


Figure 155. CV–2809/ASH-19 Signal Converter

1. **Brief Description:** The CV-2809/ASH-19 Signal Converter provides multi-channel conditioning of discrete and analog type signals. The equipment provides 20 volts DC alarm signals to the Voice Warning Reproducer Set AN/ASH-19 when one or more of the input signals fall below or exceed present levels. Input signals originate from various transducers throughout the aircraft and are comprised of both analog and discrete levels. The output alarm voltage triggers a particular message in the AN/ASH-19 for each channel. In some cases one or more signals may be combined in the signal converter to activate the same channel. When certain inputs are combined, the signal converter alarm output is interrupted momentarily by the second or additional input signal. The interruption causes the AN/ASH-19 to repeat the applicable message if it was previously overriden by pilot command. Power input requirements are 22.0—30.5 volts DC at 700 ma, 21 watts maximum. The CV-2809/ASH-19 is installed in the CH-54B helicopter.

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-416		X	X
AN/USM-98A			X
AN/USM-223		X	X
PP-1104C/G		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
Thermometer, Glass		X	X

3. **Applicable Publications:**

TM 11-5821-289-25
TM 11-5821-289-34P

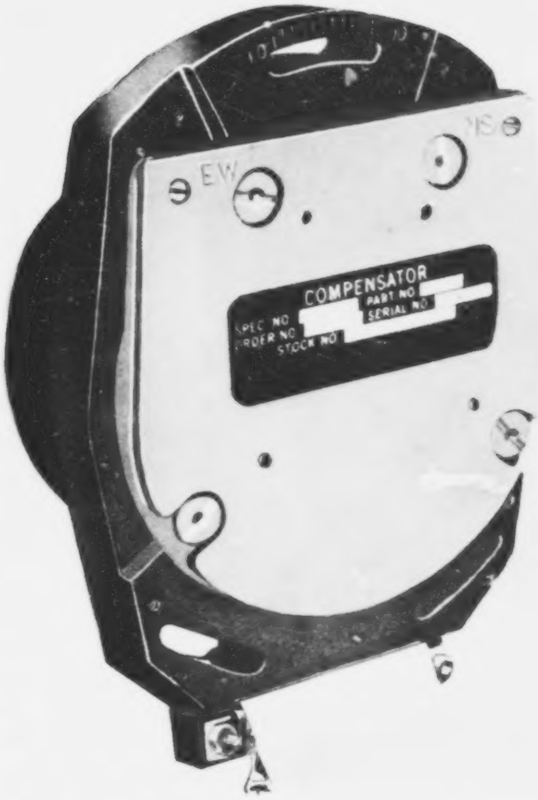


Figure 156. DT-173/AJN Magnetic Azimuth Detector

1. Brief Description: The DT-173/AJN Magnetic Azimuth Detector is the direction-sensing element of attitude Heading Reference Set AN/ASN-76 or Inertial Nav Set AN/ASN-86. Its sensing element is pendulously mounted so that its average position is in the horizontal component of the earth's magnetic field and is normally maintained regardless of the turbulence of the air or the attitude of the aircraft. It detects the direction of the lines of force in this horizontal magnetic component and transmits this information electrically to the Magnetic Compass System. The information is used to process and position the gyro to provide long-period stabilization for the system. Any signals produced during short-period swinging of the Magnetic Azimuth Detector sensing element into the earth's vertical magnetic component are effectively intergrated by the gyro because of its slow reaction to slaving signals. Power input requirement is 23.5 volts AC, 400 Hz, single phase. Major components of this set are as follows:

CN-1072/AJN	Detector Magnetic Compensator
DT-309/AJN	Azimuth Detector

NOTE

The DT-376/ASN can be substituted for the DT-309/AJN when a special adapter cable is utilized.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-339			X
TK-101/G	X		

3. Applicable Publications:

TM 11-6605-253-25

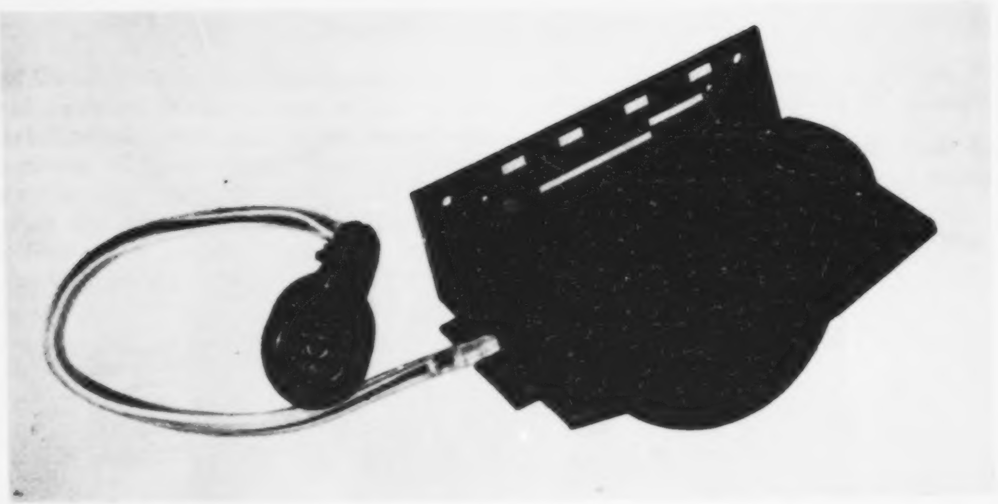


Figure 157. DT-376/ASN Azimuth Detector

1. **Brief Description:** The DT-376/ASN Azimuth Detector (Flux Valve) can be used in lieu of the DT-309/AJN as part of the DT-173/AJN to provide input to the AN/ASN-76 or AN/ASN-86.

2. **Applicable Tools and Test Equipment:** Refer to data sheet for DT-173/AJN.

3. **Applicable Publications:**
M 11-6605-253-25 (Pertains to DT-173)

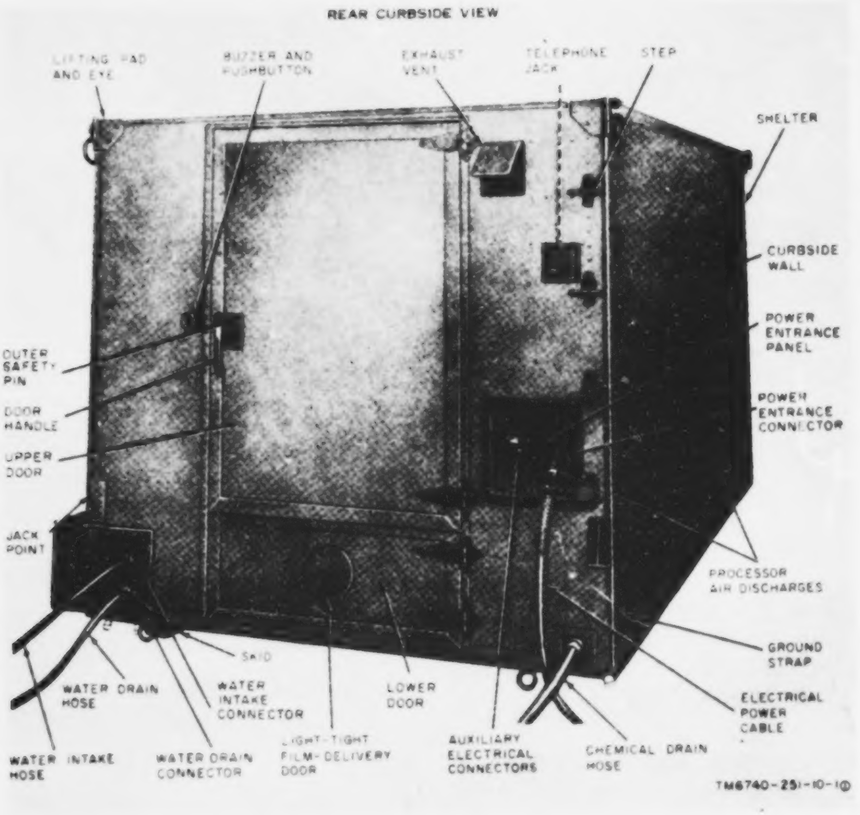

REAR CURBSIDE VIEW
LIFTING PAD AND EYE
BUZZER AND PUSHBUTTON
EXHAUST VENT
TELEPHONE JACK
STEP
SHELTER
CURBSIDE WALL
POWER ENTRANCE PANEL
POWER ENTRANCE CONNECTOR
OUTER SAFETY PIN
DOOR HANDLE
UPPER DOOR
JACK POINT
PROCESSOR AIR DISCHARGES
SKID
GROUND STRAP
WATER DRAIN HOSE
WATER INTAKE CONNECTOR
LOWER DOOR
ELECTRICAL POWER CABLE
WATER INTAKE HOSE
WATER DRAIN CONNECTOR
LIGHT-TIGHT FILM-DELIVERY DOOR
AUXILIARY ELECTRICAL CONNECTORS
CHEMICAL DRAIN HOSE
TM6740-251-10-1©

Figure 158. ES-38B Photographic Dark Room

1. Brief Description: Photographic darkroom group ES-38( ) is designed to provide a self-contained photographic darkroom for complete rapid processing of photographic materials. The complete process includes developing, fixing, washing, and drying of exposed film and paper, contact printing, enlarging and continuous contact printing. The ES-38( ) can be transported from one site to another by truck or aircraft. Some versions can also be transported by rail. Electrical power required for operation under field conditions is supplied by trailer-mounted Generator Set PU-406A/M. Power input requirement to operate the ES-38( ) is 115 volts AC, 60 Hz approximately 3500 watts. Major components are as follows:

ES-38B	*ES-38C*		
AR-92B	AR-92B	–	Photographic Film Plotting Table
EH-29B	EH-29C	–	Photographic Film and Paper Processing Machine
EH-48B	EH-48C	–	Photographic Film and Paper Processing Machine
EN-6C	EN-6C	–	Photographic Continuous Contact Printer
EN-36B	EN-36B	–	Photographic Projection Printer
EN-100A	EN-100A	–	Photographic Contact Printer
FH-6B	FH-6C	–	Photographic Processing Temperature Control Unit
FM-6B	FM-6B	–	Semiautomatic Photographic Chopper
FM-165B	FM-165B	–	Immersion Heater
FM-180A	FM-180A	–	Photographic Chemical Solution Mixer-Distributer
S-280( )/G	S-280( )/G	–	Shelter

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
FM-145			X
TK-77/G	X	X	X
TK-109/G		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-6740-282-12
TM 11-6740-282-24P
TM 11-6740-282-35

(Illustration Not Available)

Figure 159. Global Position Satellite System

1. Brief Description: The GPS System operates on spread spectrum pseudorandum coding signals from a satellite constellation. This system will provide the aircraft with instantaneous navigation and time data. The GPS System is capable of being integrated with the AN/ASN–128 and AN/ASN–137 Doppler Navigation Systems to provide accurate navigation and landing approach under severe operating and environmental conditions. Further information was not available at the time of this printing.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not available at the time of the printing.

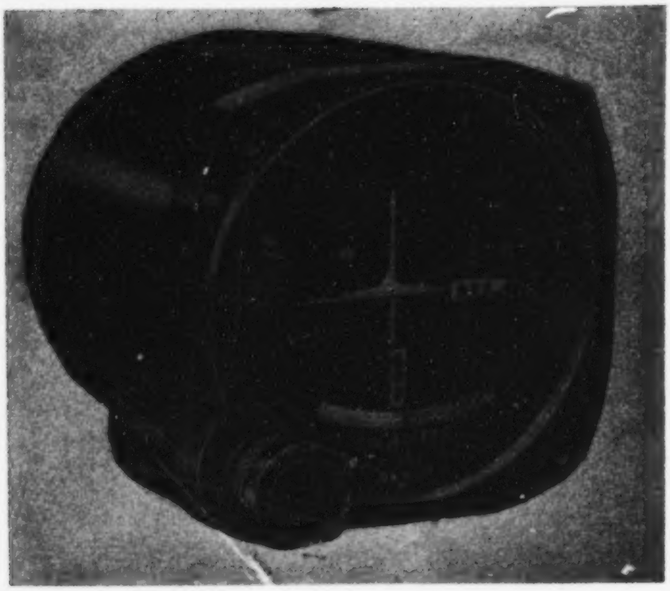


Figure 160. ID-48( )/ARN Course Indicator

1. **Brief Description:** The ID-48( )/ARN is a special type of microammeter, with two crossed pointers, which visually indicates the VOR, VAR, or tone localizer information received from the Signal Data Converter or Filter Amplifier. The two pointers are known as the Localizer or Range pointer and the Glide-Path pointer. The Glide-Path pointer is used in conjunction with a glide-path receiver, when such equipment is installed in the aircraft. Each pointer has a red flag-alarm associated with it. The Localizer or Range pointer flag-alarm serves to indicate the presence or absence of proper VAR or tone localizer signals.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**

TM 11-5840-270-24-1
TM 11-5840-270-50

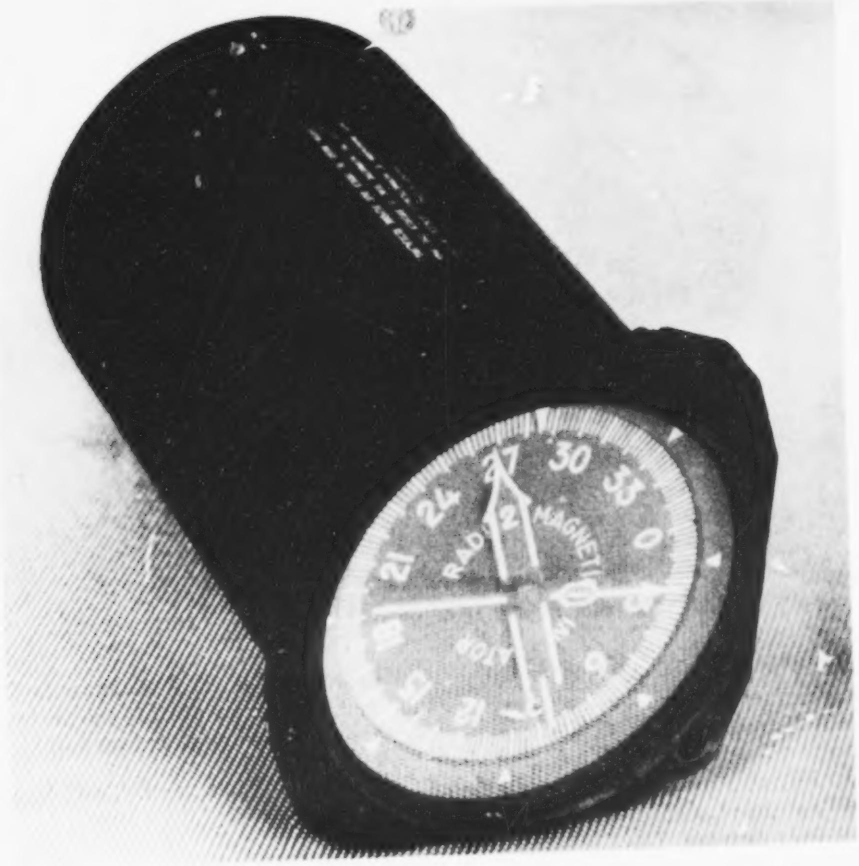


Figure 161. ID-250( )/ARN Radio Magnetic Indicator

1. Brief Description: Radio Magnetic Indicator, ID-250( )/ARN provides automatic and continuous indication of magnetic bearing, relative bearing and aircraft heading when used in conjunction with OMNI range receiving equipment, ADF equipment and gyrosyne compass; will continuously and automatically provide dual ADF, dual ODR or ADF and ODR information as required. Magnetic heading of the aircraft is indicated on a rotating dial and the magnetic bearings are shown under the two pointers.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-5826-211-50
TM 11-6605-202-12 (Pertains to AN/ASN-43)
TM 11-6605-202-24P (Pertains to AN/ASN-43)
TM 11-6605-202-35 (Pertains to AN/ASN-43)

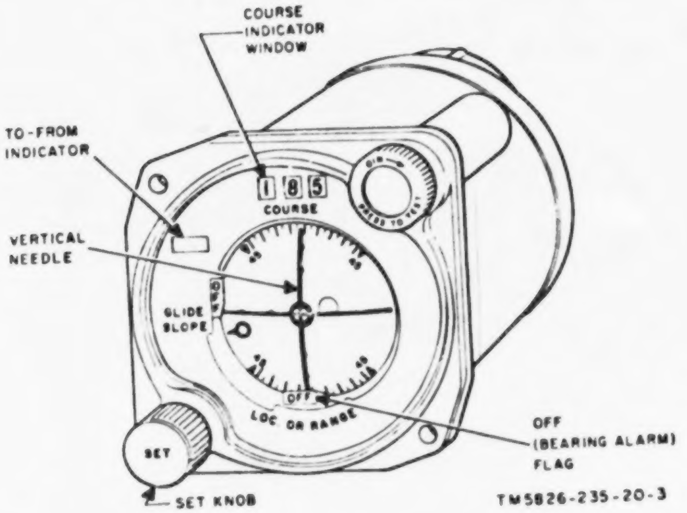

COURSE INDICATOR WINDOW
TO-FROM INDICATOR
VERTICAL NEEDLE
GLIDE SLOPE
185
COURSE
PRESS TO TEST
OFF
LOC OR RANGE
SET
SET KNOB
OFF (BEARING ALARM) FLAG
TM5826-235-20-3

Figure 162. ID-387/ARN Course Indicator

1. Brief Description: Course Indicator, ID-387/ARN, is used to indicate the course of the aircraft relative to a fixed bearing as provided by the ID-250A/ARN. In addition, the ID-387/ARN will indicate whether the aircraft is on an inbound course or an outbound course, with the ground beacon as a reference.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-5826-235-20 (Pertains to AN/ARN-52)
TM 11-5826-235-24P-1 (Pertains to AN/ARN-52)
TM 11-5826-235-25-1 (Pertains to AN/ARN-52)
TM 11-5826-235-34 (Pertains to AN/ARN-52)
TM 11-5826-235-35P (Pertains to AN/ARN-52)
TM 11-5826-235-50 (Pertains to AN/ARN-52)

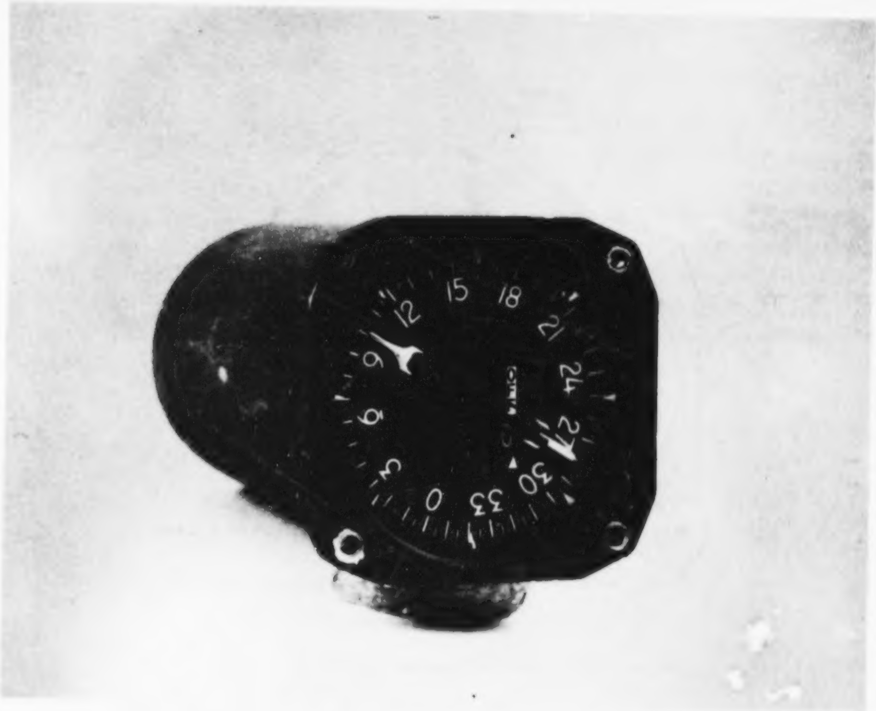


Figure 163. ID-663/U Bearing-Distance-Heading Indicator

1. **Brief Description:** The ID-633/U is used to provide bearing, distance and heading information. The ID-663 can be used in place of a Course Indicator ID-250A/ARN and a range indicator similar to the 339D-1 and contains the circuit necessary to perform these functions.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**

TM 11-5826-235-2J (Pertains to AN/ARN-52)
TM 11-5826-235-24P-1 (Pertains to AN/ARN-52)
TM 11-5826-235-25-1 (Pertains to AN/ARN-52)
TM 11-5826-235-34 (Pertains to AN/ARN-52)
TM 11-5826-235-35P (Pertains to AN/ARN-52)
TM 11-5826-235-50 (Pertains to AN/ARN-52)

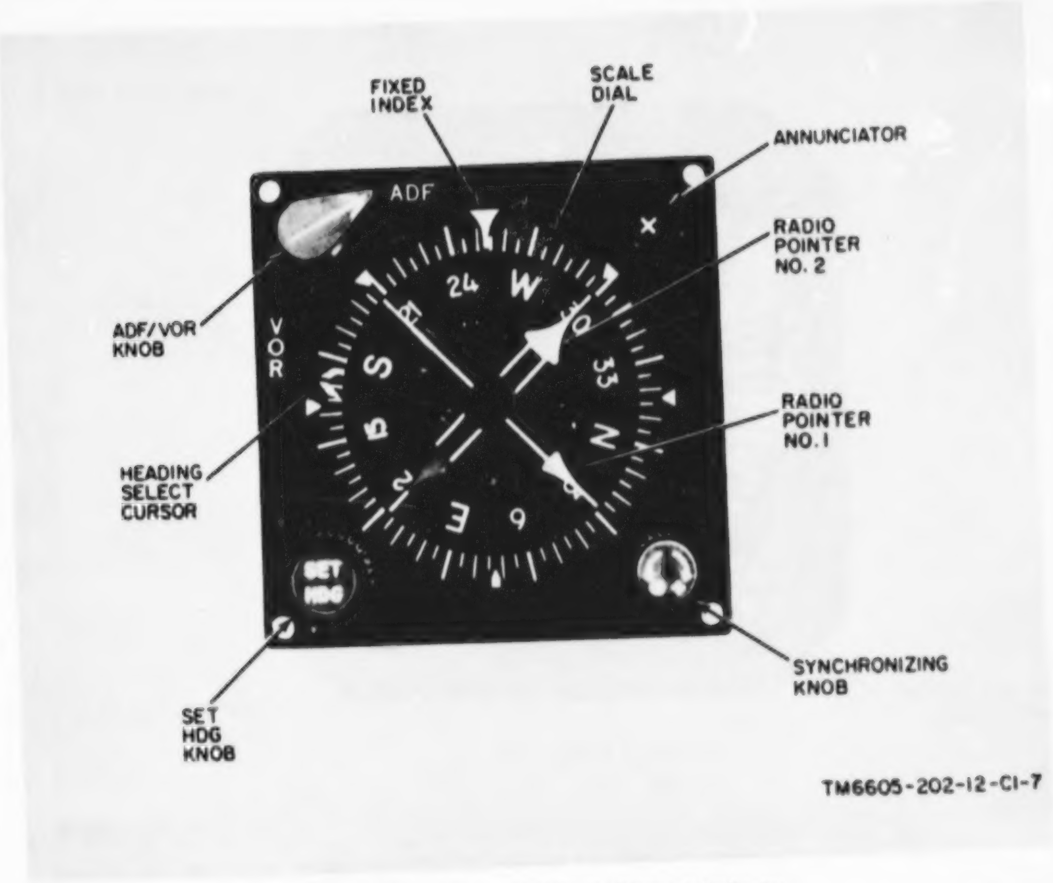

FIXED INDEX
SCALE DIAL
ANNUNCIATOR
RADIO POINTER NO. 2
ADF/VOR KNOB
RADIO POINTER NO. 1
HEADING SELECT CURSOR
SYNCHRONIZING KNOB
SET HDG KNOB
ADF
VOR
SET HDG
TM6605-202-12-CI-7

Figure 164. ID-998( )/ASN Radio Magnetic Indicator

1. Brief Description: The ID-998( )/ASN is a panel mounted flight instrument that presents aircraft heading, selected heading, and RMI information provided by two pointers which represent ADF and VOR radio signals.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11-6605-202-12 (Pertains to AN/ASN-43)
TM 11-6605-202-24P (Pertains to AN/ASN-43)
TM 11-6605-202-34 (Pertains to AN/ASN-43)
TM 11-6605-202-35 (Pertains to AN/ASN-43)
TM 11-5826-299-34
TM 11-6625-924-14 (Pertains to Test Panel)

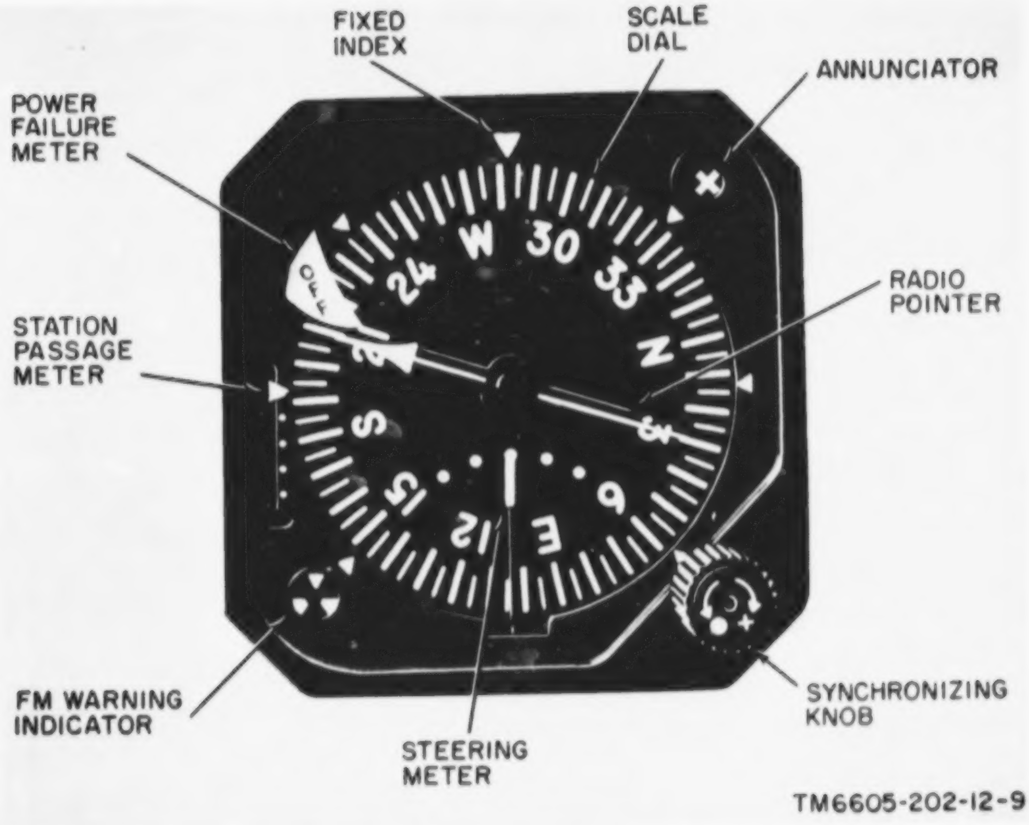

FIXED INDEX
SCALE DIAL
ANNUNCIATOR
POWER FAILURE METER
RADIO POINTER
STATION PASSAGE METER
FM WARNING INDICATOR
SYNCHRONIZING KNOB
STEERING METER
TM6605-202-12-9

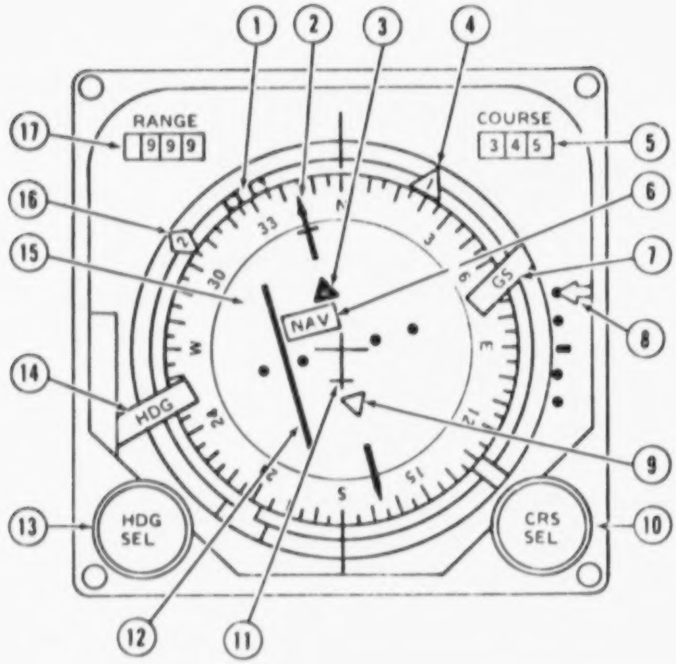
Figure 165. ID–1351( )/A Heading-Bearing Indicator

1. Brief Description: Heading-Radio Bearing Indicator, ID–1351( )/A, is a panel mounted flight instrument that displays heading and bearing information and provides a means of synchronizing (electrically and mechanically aligning) gyromagnetic compass sets. The indicator presents seven independent displays, including overstation passage, power loss, etc. which provide navigational system operational status and aircraft heading information. The ID–1351C/A, ID–1351D/A, and ID–1351E/A incorporate 5 volt integral lighting which is not available in other models.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11–5895–537–50
TM 11–6605–202–12 (Pertains to AN/ASN–43)
TM 11–6605–202–24P (Pertains to AN/ASN–43)
TM 11–6605–202–35 (Pertains to AN/ASN–43)



1. HEADING MARKER
2. COURSE POINTER
3. TO ARROW
4. BEARING POINTER NO. 1
5. COURSE READOUT
6. NAV WARNING FLAG
7. GLIDESLOPE FLAG
8. GLIDESLOPE POINTER
9. FROM ARROW
10. COURSE SELECT KNOB
11. AIRCRAFT SYMBOL
12. COURSE DEVIATION BAR
13. HEADING SELECT KNOB
14. HEADING FLAG
15. COMPASS CARD
16. BEARING POINTER NO. 2
17. DIGITAL READOUT

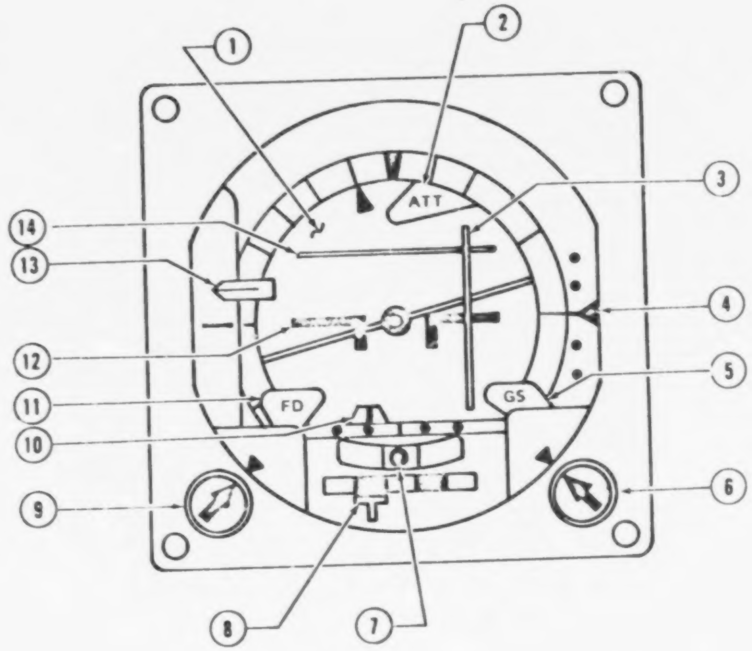
Figure 166. ID-2103/A Horizontal Situation Indicator

1. **Brief Description:** The ID-2103/A Horizontal Situation Indicator is installed in the AH-1S and CH-47D aircraft. It receives its inputs from selected installed navigation sets and displays various readouts utilizing a compass card, glideslope printer, course deviation bar, bearing printers, and digital range/course readout. It also includes heading and course selector knobs.

2. **Applicable Tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:**

TM 11-1520-236-20 (Pertains to AH-1S)
TM 11-1520-236-20P (Pertains to AH-1S)
TM 11-1520-236-24P-1 (Pertains to AH-1S)
TM 11-1520-236-34 (Pertains to AH-1S)
TM 11-1520-236-34P (Pertains to AH-1S)



1. SPHERE
2. ATTITUDE GYRO FLAG
3. CYCLIC ROLL COMMAND
4. VERTICAL DEVIATION (GS)
5. GLIDESLOPE FLAG
6. PITCH TRIM
7. INCLINOMETER
8. RATE-OF-TURN
9. ROLL TRIM
10. HORIZONTAL DEVIATION (LOC)
11. FLIGHT DIRECTOR FLAG
12. HORIZONTAL REFERENCE
13. COLLECTIVE PITCH COMMAND
14. CYCLIC PITCH COMMAND

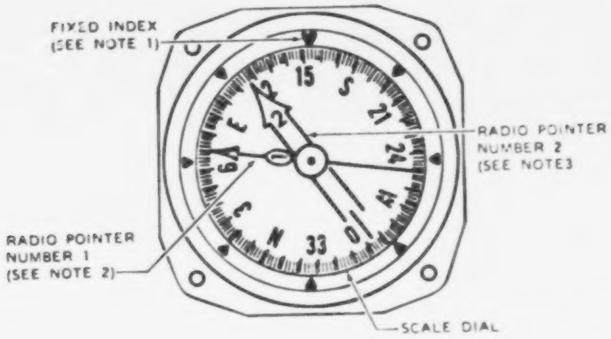
Figure 167. ID-2104/A Attitude Direction Indicator

1. Brief Description: The ID-2104/A Attitude Direction Indicator is installed on the AH-1S aircraft. It displays attitude incline, rate of turn, glide slope/localizer deviation and roll on pitch information. It also contains a roll/pitch trim knob.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-1520-236-20 (Pertains to AH-1S)
TM 11-1520-236-20P (Pertains to AH-1S)
TM 11-1520-236-24P-1 (Pertains to AH-1S)
TM 11-1520-236-34 (Pertains to AH-1S)
TM 11-1520-236-34P (Pertains to AH-1S)


FIXED INDEX
(SEE NOTE 1)
RADIO POINTER
NUMBER 2
(SEE NOTE3
RADIO POINTER
NUMBER 1
(SEE NOTE 2)
SCALE DIAL
15
S
21
24
W
30
33
N
3
E
6
12

(1) INDICATES GYROMAGNETIC COMPASS HEADING READOUT IN BOTH MAG AND DG MODES OF THE AN/ASN-43. SYNCHRONIZING SCALE DIAL IS ACCOMPLISHED BY USE OF THE SYNCHRONIZATION KNOB AND ANNUNCIATOR LOCATED ON THE COMPASS CONTROL PANEL.

(2) POINTER NUMBER 1 INDICATES MAGNETIC BEARING OF ADF (AN/ARN-89)

(3) POINTER NUMBER 2 INDICATES MAGNETIC BEARING OF THE VOR (AN/ARN-123)

Figure 168. ID-2105/A Radio Magnetic Indicator

1. Brief Description: The ID-2105/A Radio Magnetic Indicator is installed on the AH-1S aircraft. It functionally is identical to the ID-250/ARN, described elsewhere in this publication, but it has 5 volt red integral lighting.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11-1520-236-20 (Pertains to AH-1S)
TM 11-1520-236-20P (Pertains to AH-1S)
TM 11-1520-236-24P-1 (Pertains to AH-1S)
TM 11-1520-236-34 (Pertains to AH-1S)
TM 11-1520-236-34P (Pertains to AH-1S)

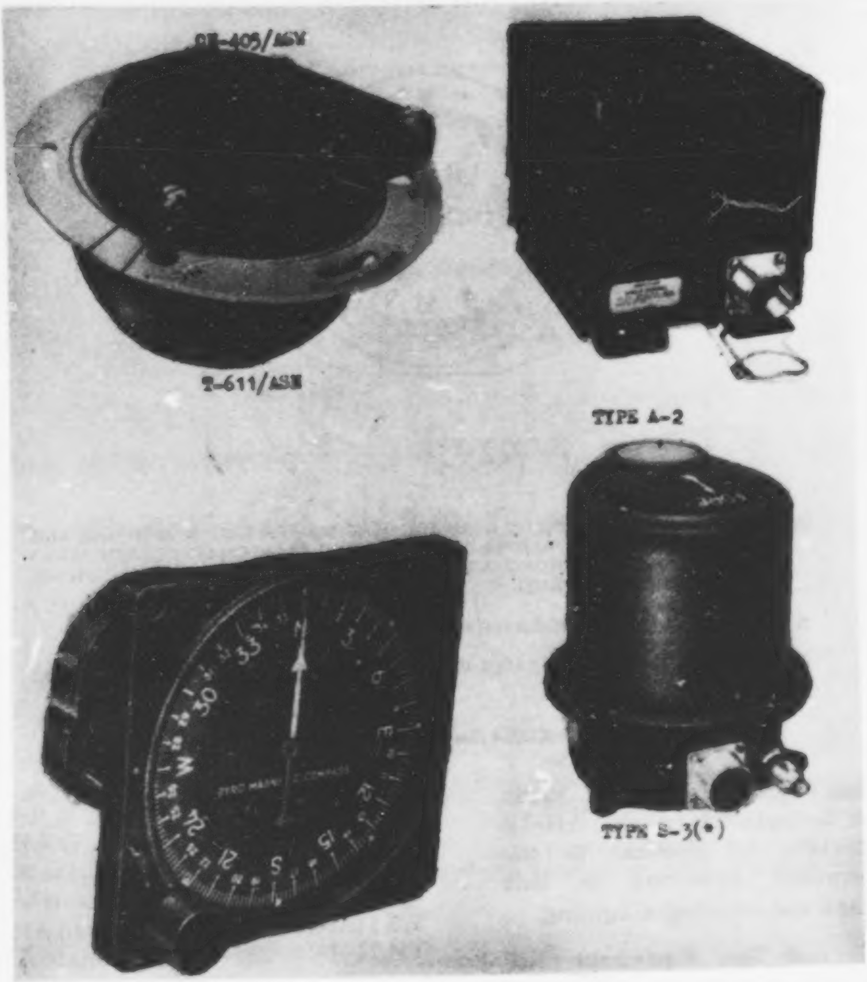


Figure 169. J-2 Magnetic Compass Set

1. Brief Description: The J-2 aircraft magnetic compass is a direction sensing system providing a visual indication of magnetic heading. The information is displayed on an indicator and one or more repeaters as may be required. The input power requirements are 27.5 volts DC at .6 amp and 115 volts AC, 400 Hz, 3-phase. Major components of this set are as follows:

A-2	Amplifier
CN-405/ASN	Compensator, Magnetic Flux
S-3A	Gyro Control
or	
S-3B	Gyro Control
T-611/ASN	Induction Compass Transmitter

The following components are used with the J-2 in certain installations:

V-7A	Induction Compass Indicator
V-8	Indicator

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-61		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-207A			X
AN/USM-223		X	X
ME-26D/U		X	X
ME-30A/U		X	X
MX-4618/U			X
OS-8/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-6605-200-12
TM 11-6605-200-20P
TM 11-6605-200-35
TM 11-6605-200-35P

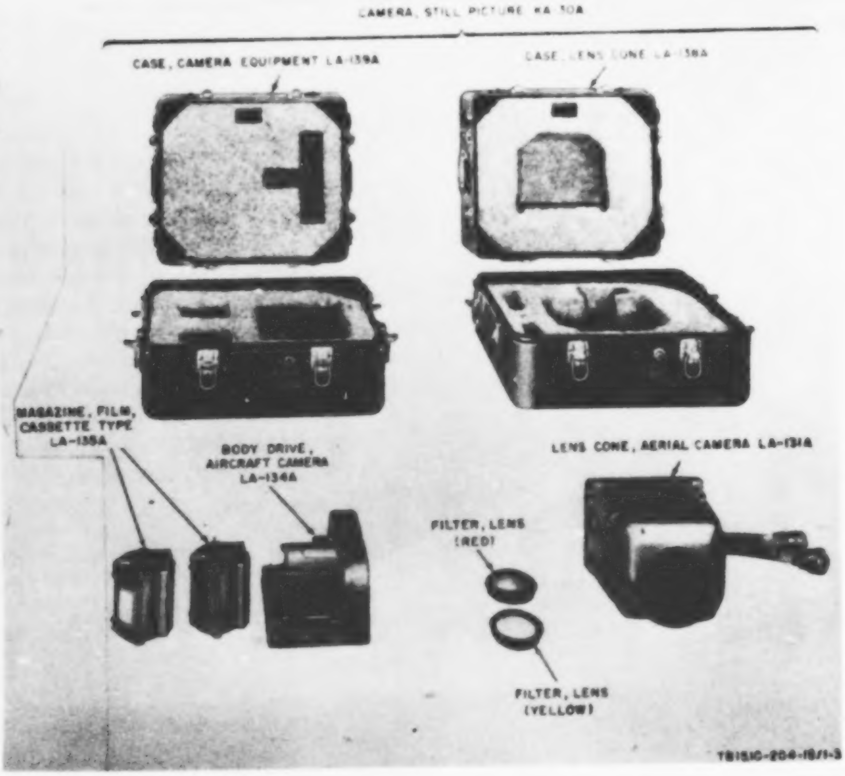

CAMERA, STILL PICTURE KA-30A
CASE, CAMERA EQUIPMENT LA-139A
CASE, LENS CONE LA-138A
MAGAZINE, FILM, CASSETTE TYPE LA-135A
BODY DRIVE, AIRCRAFT CAMERA LA-134A
LENS CONE, AERIAL CAMERA LA-131A
FILTER, LENS (RED)
FILTER, LENS (YELLOW)
TB1SIC-204-15/1-3

Figure 170. KA-30( ) Still Picture Camera

1. Brief Description: The KA-30A and KA-30A2 are component parts of the KS-61A Photographic Surveillance System. These cameras are capable of taking exposures over a wide range of altitudes and ground speeds during day or night missions. When greater terrain coverage is desired a wide angle lens (LA-136A Lens Group) may be substituted for the normal lens of the KA-30A and KA-30A2. Power and control voltages for these cameras are supplied from components of an aircraft control system. The KA-30A2 differs from the KA-30 in that a lens has a 40 line/mm average weighted area resolution (AWAR) and also the lens is equipped to fit the 40 line/mm AWAR system. Major components of the KA-30A and KA-30A2 are as follows:

LA-131A	Aerial Camera Lens Cone (KA-30A only)
LA-131A3	Aerial Camera Lens Cone (KA-30A2 only)
LA-134A	Aircraft Camera Body Drive (KA-30 only)
LA-134A2	Aircraft Camera Body Drive (KA-30A2 only)
LA-135	Film Cassette Magazine (KA-30 only) (2) ea)
LA-135A1	Film Cassette Magazine (KA-30A2 only) (2 ea)
LA-138A	Lens Cone Case (KA-30A and KA-30A2)
LA-139A	Camera Equipment Case (KA-30A and KA-30A2)

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/USM-281A		X	X
AN/USM-223		X	X
LM-63A		X	X
LS-34A		X	X
LS-44A		X	X
LS-46A		X	X
MX-13A	X	X	X
TK-109/G		X	X

3. Applicable Publications:

TM 11-6720-208-12
TM 11-6720-208-20P
TM 11-6720-208-35
TM 11-6720-208-35P

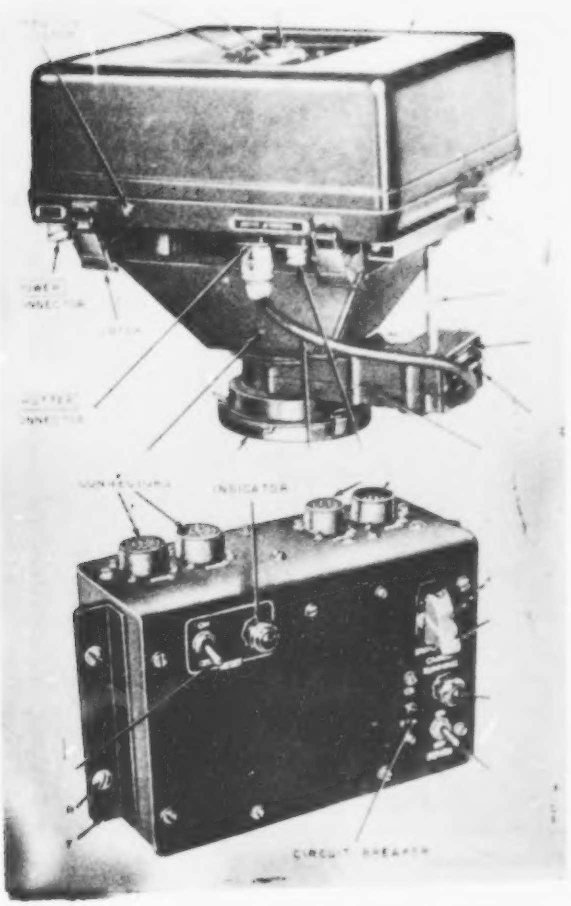


Figure 171. KA-39( ) Still Picture Camera

1. **Brief Description:** Still Picture Cameras KA-39 and KA-39A1 are self-contained, compact, electrically operated designed to take a continuous series of wide field photographs during day or night aerial reconnaissance missions. These cameras were intended for use in either piloted (manned) or drone (unmanned) aircraft. Operation in manned aircraft is manually controlled, in the unmanned it is electronically controlled from the ground. The electrical functioning of the KA-39A1 is similar to that of the KA-39A except that two supplemental plugs are mounted on the control box assembly. The input power requirement for both cameras is 27.5 volts DC at approximately 7 amps.

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/USM-223		X	X
AN/USM-281A		X	X
MX-13A/U		X	X
LS-33A			X
LS-34A			X
LS-46A			X
LS-49A			X
TK-77/G	X		
TK-109/G		X	X

3. **Applicable Publications:**

TM 11-6720-207-10
TM 11-6720-207-20
TM 11-6720-207-25P
TM 11-6720-207-35

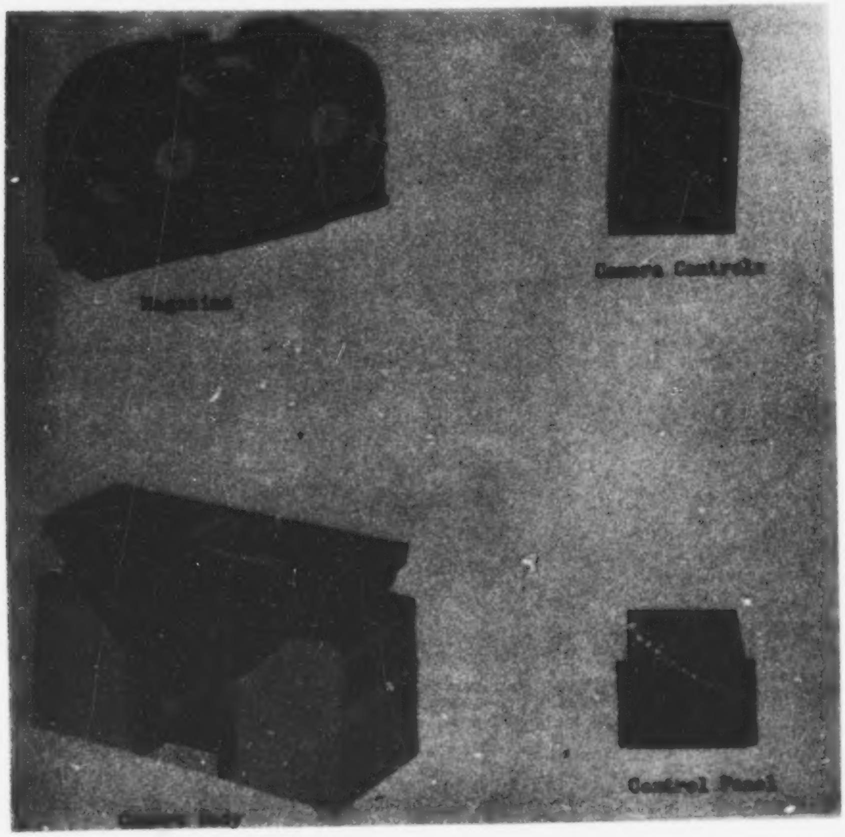


Figure 172. KA-60B Still Picture Camera

1. Brief Description: Still Picture Camera KA-60B provides a panoramic, horizon-to-horizon reconnaissance capability specifically for high speed, low flying aircraft. The camera is used in the forward oblique position to present a sequence of photographs providing a complete presentation (in the flight direction) of the ground area directly beneath the aircraft to the forward horizon and through both lateral horizons. Major components of the camera system are as follows:

LA-378A	Camera Body Assembly
LA-379A	Camera Magazine Assembly
LM-162A	Camera Control Point
1134H14-2 (Fairchild)	Camera Control Junction Box

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223		X	X
LS-71A	X	X	X
TK-77/G	X	X	X
TK-109/G		X	X

3. Applicable Publications:

TM 11-6720-230-15
TM 11-6720-230-20P
TM 11-6720-230-35P

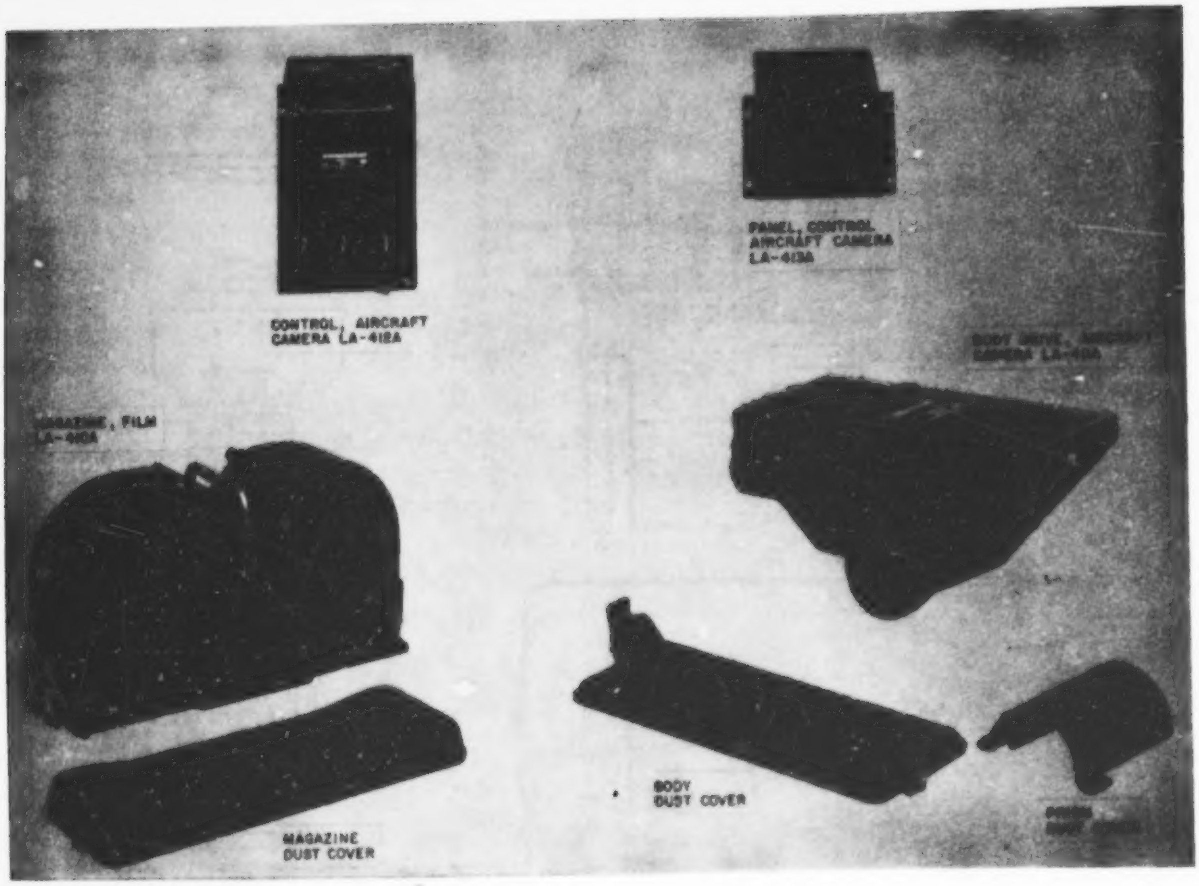

CONTROL, AIRCRAFT
CAMERA LA-412A
PANEL, CONTROL
AIRCRAFT CAMERA
LA-413A
BODY DRIVE, AIRCRAFT
CAMERA LA-411A
MAGAZINE, FILM
LA-410A
MAGAZINE
DUST COVER
BODY
DUST COVER
DUST COVER

Figure 173. KA-60C Still Picture Camera

1. Brief Description: Still Picture Camera KA-60C provides a panoramic, horizon-to-horizon reconnaissance photograph specifically for high speed, low flying aircraft. This camera is mounted in either a forward oblique or vertical position and presents a sequence of photographs (in the flight direction) of the ground area beneath the aircraft through both lateral horizons. Input power requirements are 28 volts DC at .7 amp and 115 volts AC, 400 Hz, single-phase at 2.1 amps. Major components of the KA-60C are as follows:

LA-410A	Film Magazine
LA-411A	Aircraft Camera Body Drive
LA-412A	Aircraft Camera Control
LA-413A	Aircraft Camera Control Panel
or	
LA-428A	Control Panel

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64			X
AN/USM-207A			X
AN/USM-223		X	X
AN/USM-281A			X
LS-86A	X	X	
TK-77/GF	X	X	X
TK-109/GF	X	X	X
MS3191-1		X	X
MS24256A20		X	X
MS24256R20		X	X
454-12			X
711F			X

3. Applicable Publications:

TM 11-6720-242-12
TM 11-6720-242-20P
TM 11-6720-242-34P
TM 11-6720-242-35

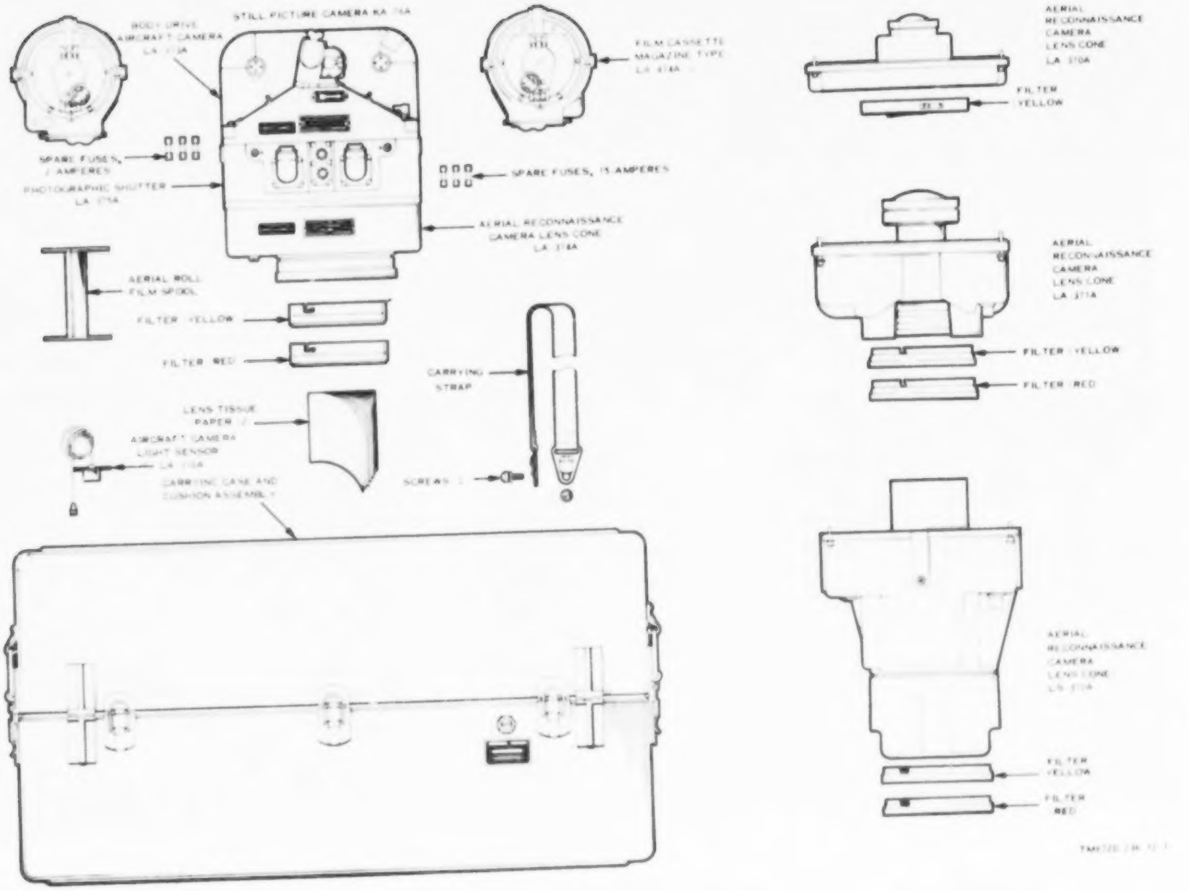

STILL PICTURE CAMERA KA-76A
BODY DRIVE AIRCRAFT CAMERA LA-373A
FILM CASSETTE MAGAZINE TYPE LA-414A
SPARE FUSES, 2 AMPERES
SPARE FUSES, 15 AMPERES
PHOTOGRAPHIC SHUTTER LA-375A
AERIAL RECONNAISSANCE CAMERA LENS CONE LA-374A
AERIAL ROLL FILM SPOOL
FILTER YELLOW
FILTER RED
CARRYING STRAP
LENS TISSUE PAPER
AIRCRAFT CAMERA LIGHT SENSOR LA-407A
CARRYING CASE AND CUSHION ASSEMBLY
SCREWS
AERIAL RECONNAISSANCE CAMERA LENS CONE LA-370A
FILTER YELLOW
AERIAL RECONNAISSANCE CAMERA LENS CONE LA-371A
FILTER YELLOW
FILTER RED
AERIAL RECONNAISSANCE CAMERA LENS CONE LA-372A
FILTER YELLOW
FILTER RED

Figure 174. KA-76A Still Picture Camera

1. Brief Description: Still Picture Camera, KA-76A is a compact, high acuity, aerial reconnaissance, serial frame type camera which can take exposure during day or night. An image motion compensation (IMC) capability is provided to allow operation at lower aircraft terrain clearances and higher ground speeds. Aerial Reconnaissance Lens Cones LA-370A and LA-371A provide a wider angle of view when greater terrain coverage is needed while the LA-372A provides a smaller angle of view with image magnification. Input power requirements are 28 volts DC at 10 amps (33 amps initial decaying to 10 amps) and 115 volts AC, 400 Hz at 3 amps. Major components of the KA-76A are:

LA-373A	Aircraft Camera Body Drive
LA-374A	Aerial Reconnaissance Camera Lens Cone
LA-375A	Photographic Shutter
LA-407A	Aircraft Camera Light Sensor
LA-414A	Magazine, Film, Cassette (2 ea)

The following items are used with the KA-76A in special applications:

LA-370A	Aerial Reconnaissance Camera Lens Cone
LA-371A	Aerial Reconnaissance Camera Lens Cone
LA-372A	Aerial Reconnaissance Camera Lens Cone

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM–90			X
AN/USM–281A		X	X
AN/USM–223		X	X
LA–387A		X	X
LS–35A	X	X	X
LS–36A		X	X
LS–47A		X	X
LS–48A		X	X
LS–78A	X	X	X
LS–80A		X	X
LS–89A	X	X	X
ME–202A/U		X	X
RO–189/G			X
TK–77/GF	X	X	X
TK–109/G		X	X
TS–805/U			X
197A			X

3. Applicable Publications:

TM 11–6720–236–12
TM 11–6720–236–20P
TM 11–6720–236–34P
TM 11–6720–236–35

(Illustration not available)

Figure 175. KIT–1A/TSEC Computer

1. Brief Description:

The KIT–1A/TSEC computer is required for mode 4 operation of IFF Transponders such as the AN/APX–72 or AN/APX–100. The computer processes mode 4 interrogations and prepares the coded reply for transmission. The transponder can be operated without the computer. However, when the computer is used mode 4 interrogations bypass the decoder in the transponder and are applied direct to the KIT–1A/TSEC. The technical characteristics are classified. The following item is used with but not issued as part of the KIT–1A/TSEC:

MT–3949A/U . . . . Mount

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/USM–223		X	X
AN/USM–281A		X	X
PP–4338/U		X	X
TK–100/G		X	X
TK–105/G		X	X
TSEC/ST–21		X	X

NOTE

Refer to TM 11–5810–242–12P for special tools and test equipment.

3. Applicable Publications:

TM 11–5810–242–12P
TM 11–5810–242–34P
TM 11–5810–285–12

(Refer to individual data sheets for illustrations of major components)

Figure 176. KS-61A Photographic Surveillance System

1. Brief Description: Photographic Surveillance System KS-61A is a complete system designed for both day and night aerial photography of terrain to provide map like displays. The KS-61A requires 27.5 volts DC at 36 amps. The major components of the KS-61A, covered elsewhere in this bulletin, are as follows:

KA-30A .... Still Picture Camera
or
KA-30A-2 ...... Still Picture Camera
LA-136A .... Lens Cone Group
LS-38 .... Control System
or
LS-38A .... Control System

2. Applicable Tools and Test Equipment: Tool and test equipment requirements for the major components of the KS-61A are listed on the individual data sheets found elsewhere in this publication.

3. Applicable Publications:

TM 11-6720-212-20P
TM 11-6760-212-34P
TM 11-6760-212-35
TM 11-6760-220-12
TM 11-6760-220-20P
TM 11-6760-220-45/1
TM 11-6760-220-45/2
TM 11-6760-220-45/3
TM 11-6760-220-45/4
TM 11-6760-220-45P/1
TM 11-6760-220-45P/2
TM 11-6760-220-45P/3
TM 11-6760-220-45P/4

(Illustration not available)

Figure 177. KS-104( ) Photographic Surveillance System

1. **Brief Description**: The KS-104A and KS-104B are airborne Photographic Surveillance Systems designed to provide automatic, continuous Aerial mapping, and single picture photography during day or night operations. System controls are provided to select any one of four available operating modes (auto, pulse, pulse IMC and night) and one of 5 camera depression angles (left 15°, left 30°, 90°, right 15°, and right 30°). Input power requirements are 115 volts AC, 400 Hz and 28 volts DC. The KS-104A consists of the following components:

KA-76A	Camera, Still Picture (furnished with lens cone, camera LA-374A)
LA-370A	Lens Cone, Camera
LA-371A	Lens Cone, Camera
LA-372A	Lens Cone, Camera
LS-59A	Flasher System, Photographic
LS-91A	Photographic Control System
LA-96A	Detector, Altitude Ground Speed Ratio
LA-162A	Sight, Oblique (left)
LA-163A	Sight, Oblique (right)
LA-176A	Converter, Altitude Ground Speed Ratio
LA-178A	Tracker, Flight Line
LA-405A	Aircraft Camera Control
LA-406A	Power Supply Control
LA-407A	Light Sensor, Aircraft Camera (3 ea)
LA-408A	Aircraft Camera Mount
LA-409A	Actuator Assembly, Rotary Mount, Positioning

The KS-104B consists of the following components:

KA-76A	Camera, Still Picture (furnished with lens cone, camera LA-374A)
LA-370A	Lens Cone, Camera
LA-371A	Lens Cone, Camera
LA-372A	Lens Cone, Camera
LS-59A	Flasher System, Photographic
LS-91B	Photographic Control System
LA-96A	Detector, Altitude-Ground Speed Ratio
LA-162A	Sight, Oblique (left)
LA-163A	Sight, Oblique (right)
LA-176A	Converter, Altitude-Ground Speed Ratio
LA-178A	Tracker, Flight Line
LA-405B	Control Master, Aircraft Camera
LA-406A	Control, Power Supply
LA-407A	Light Sensor, Aircraft Camera (3 ea)
LA-408B	Aircraft Camera Mount
LA-409A	Actuator Assembly, Rotary Mount, Positioning.

2. **Applicable Tools and Test Equipment**: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64			X
AN/URM-90			X
AN/URM-105C	X		
AN/USM-223		X	X
AN/USM-281A		X	X
LA-360A	X		
LA-387A		X	X
LS-47A		X	X
LS-50A		X	X
LS-51A		X	X
LS-69A		X	X
LS-70A	X		
LS-78A		X	X
LS-80A		X	X
LS-89A	X	X	X
ME-26D/U		X	X
ME-202B/U		X	X
MX-991/U		X	X
PP-3940A/G		X	X
PP-3941/G		X	X
TK-77/G	X	X	X
TK-109/G		X	X
Vacuum Cleaner	X	X	X

3. **Applicable Publications:**

TM 11-6720-245-10
TM 11-6720-245-20
TM 11-6720-245-34

(Illustration not available)

Figure 178. KS-113A Photographic Surveillance System

1. Brief Description: Airborne Photographic Surveillance System KS-113A provides automatic, continuous aerial mapping and single photography during day or night operations. The KS-113A is capable of still picture mapping over a wide range of aircraft terrain clearance and groundspeed. Still picture mapping is made possible by an image motion compensation (IMC) feature, which automatically controls film movement according to the ratio of aircraft ground speed to height above terrain. This IMC function, in effect, plans stationary image on file. The camera control system controls select any of the available four operating modes (auto, pulse, pulse IMC and night) and one of five camera depression angles (left 15°, left 30°, 90°, right 15°, and right 30°). Input power requirements are 28 volts DC and 115 volts AC, 400 Hz, single phase. Major components of the KS-113A are as follows:

KA-76A	Camera, Still Picture
LA-434A	Code Matrix Block, Recording
LS-59A	Flasher System
LS-92A	Photographic Control System
C-8340/A	Control, Height-Ground Speed Ratio
LA-162A	Sight, Oblique (left)
LA-163A	Sight, Oblique (right)
LA-178A	Tracker, Flight Line
LA-406A	Control, Power Supply
LA-407A	Light Sensor, Camera
LA-408A	Mount, Camera
or	
LA-408B	Mount, Camera
LA-409A	Actuator Assembly, Rotary Mount, Positioning
LA-432A	Control Master, Camera

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-64			X
AN/URM-90			X
AN/URM-105C	X		
AN/USM-223		X	X
AN/USM-281A			X
LA-360A	X		
LA-387A			X
LM-178A		X	X
LS-47A			X
LS-69A		X	X
LS-70A	X		
LS-78A			X
LS-80A			X
LS-89A	X	X	X
ME-202B/U			X
ME-231/FYQ-5			X
PP-3940A/G			X
PP-3941/G			X
TK-77/G	X	X	X
TK-109/G		X	X
Vacuum Cleaner	X	X	X

3. Applicable Publications:

TM 11-6720-250-12
TM 11-6720-250-20P
TM 11-6720-250-34P
TM 11-6720-250-35

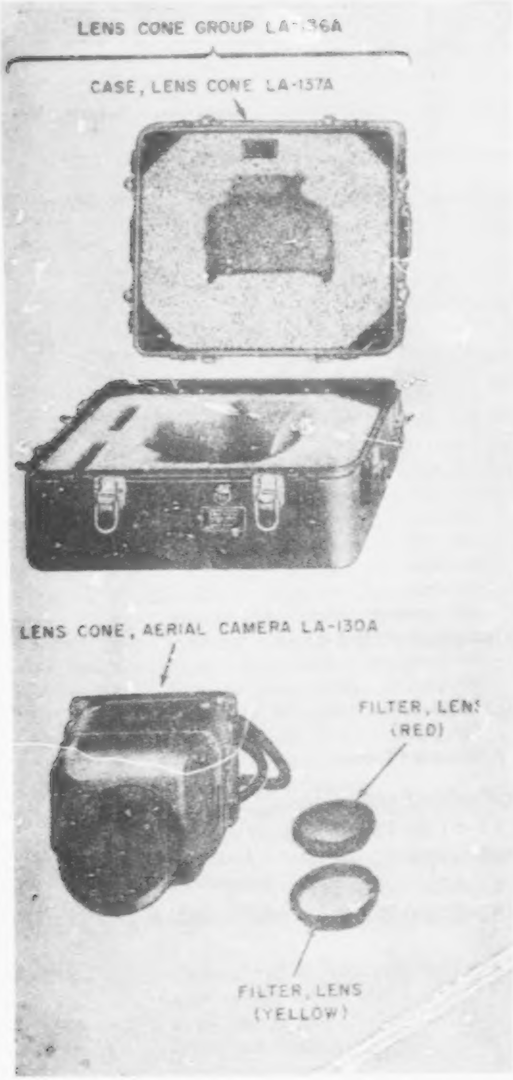

LENS CONE GROUP LA-136A
CASE, LENS CONE LA-137A
LENS CONE, AERIAL CAMERA LA-130A
FILTER, LENS (RED)
FILTER, LENS (YELLOW)

Figure 179. LA-136A Lens Cone Group

1. **Brief Description:** Lens Cone Group LA-136A is a part of the KS-61A Photographic Surveillance System and is used with components of KA-30A when a wider angle of view is needed to provide greater terrain coverage. Major components of the LA-136A are as follows:

LA-130A .... Lens Cone, Aerial Camera
LA-137A .... Case, Lens Cone

2. **Applicable Tools and Test Equipment:** See appendix E for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-281A		X	X
LM-27(1)		X	X
LM-63A		X	X
LS-34A		X	X
LS-44A		X	X
LS-45A		X	X
LS-48A		X	X
TK-77/G		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TK-109/G		X	X

3. **Applicable Publications:**

TM 11-6720-208-12
TM 11-6720-208-20P
TM 11-6720-208-35
TM 11-6720-208-35P
TM 11-6720-212-20P (Pertains to KS-61A)
TM 11-6720-212-34P (Pertains to KS-61A)

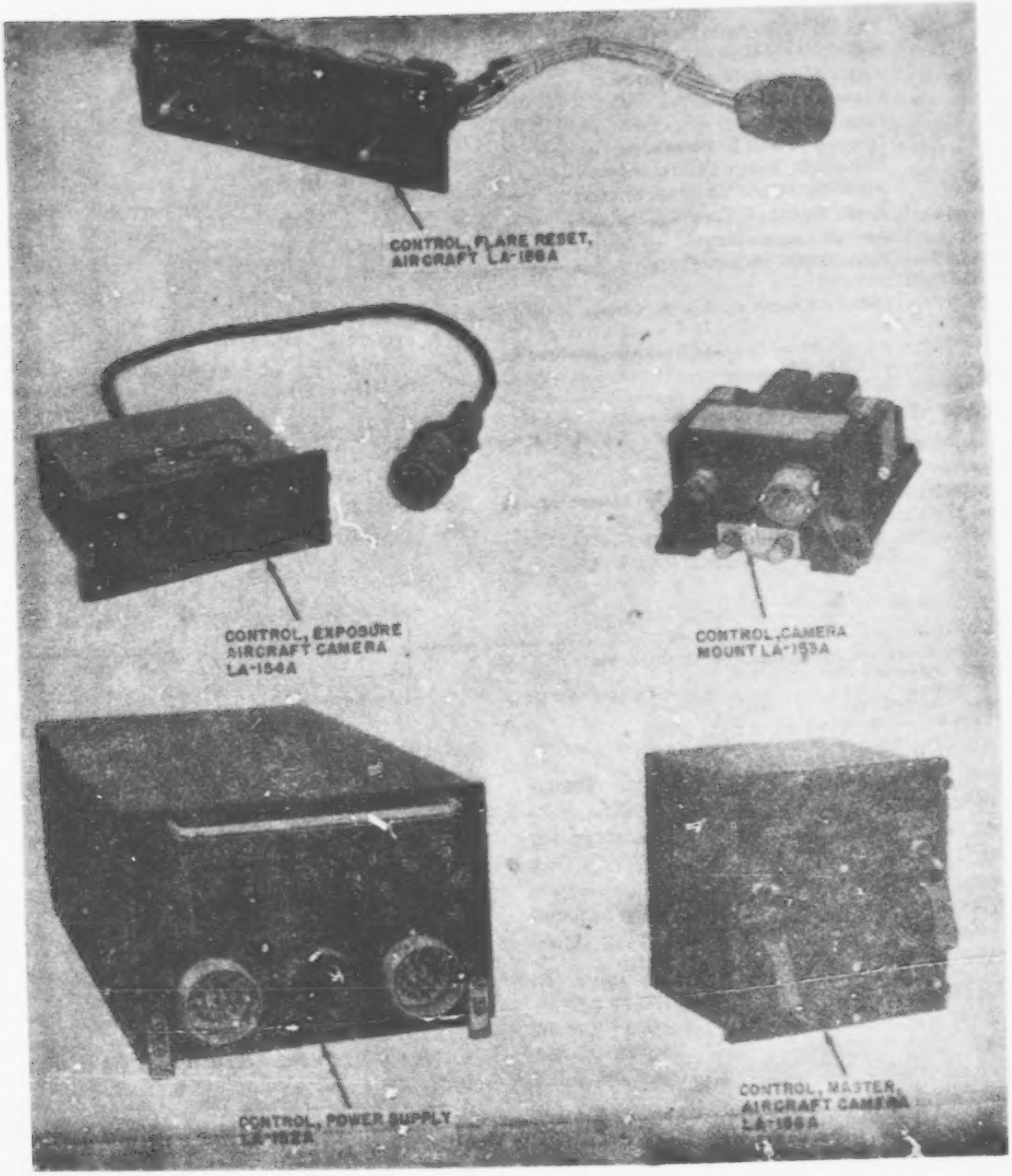

CONTROL, FLARE RESET,
AIRCRAFT LA-156A
CONTROL, EXPOSURE
AIRCRAFT CAMERA
LA-154A
CONTROL, CAMERA
MOUNT LA-153A
CONTROL, POWER SUPPLY
LA-152A
CONTROL, MASTER,
AIRCRAFT CAMERA
LA-155A

Figure 180. LS-38A Photographic Control System

1. Brief Description: The LS-38A Photographic Control System is a part of the KS-61A Photographic Surveillance System and is used to adjust the camera by compensating for the altitude and speed of the aircraft relative to the target and for the focal length of the particular lens cone group being used. It positions the camera to the desired camera depression angle and changes the camera iris opening and shutter in accordance with the measured surrounding light reflections from the target area. The photographic control system also develops signals which control the four modes of operation of the camera system. Major components of this set are as follows:

LA-96A	Altitude Speed Ratio Detector
LA-152A	Power Supply Control
LA-153A	Aircraft Camera Mount Control
LA-154A	Camera Exposure Control
LA-155A	Flare Reset Control
LA-156A	Master, Aircraft Camera Control
LA-157A	Photoflash Camera Control Detector
LA-158A	Aerial Photoflash Cartridge Ejector
LA-159A	Aerial Photoflash Cartridge Ejector
LA-160A	Aircraft Camera Mount
LA-161A	Light Monitoring Sensor
LA-162A	Oblique Sight
LA-163A	Oblique Sight
LA-176A	Altitude-Ground Speed Ratio Converter
LA-177A	Altitude-Ground Speed Ratio Coupler
LA-178A	Flight Line Tracker

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/USM-281A		X	X
LM-27	X		X
LM-33-1	X		X
LM-63A		X	X
LS-34A		X	X
LS-39A	X	X	X
LS-40A		X	X
LS-44A		X	X
LS-45A		X	X
LS-48A		X	X
LS-50A		X	X
LS-51A		X	X
MX-13A	X	X	X
MS-991/U	X	X	X
TK-77/G	X	X	X
TK-109/G		X	X
TV-7D/U		X	X
Stopwatch	X	X	X

3. Applicable Publications:

TM 11-6720-212-20P (Pertains to KS-61A)
TM 11-6720-212-34P (Pertains to (KS-61A)
TM 11-6720-212-35 (Pertains to KS-61A)

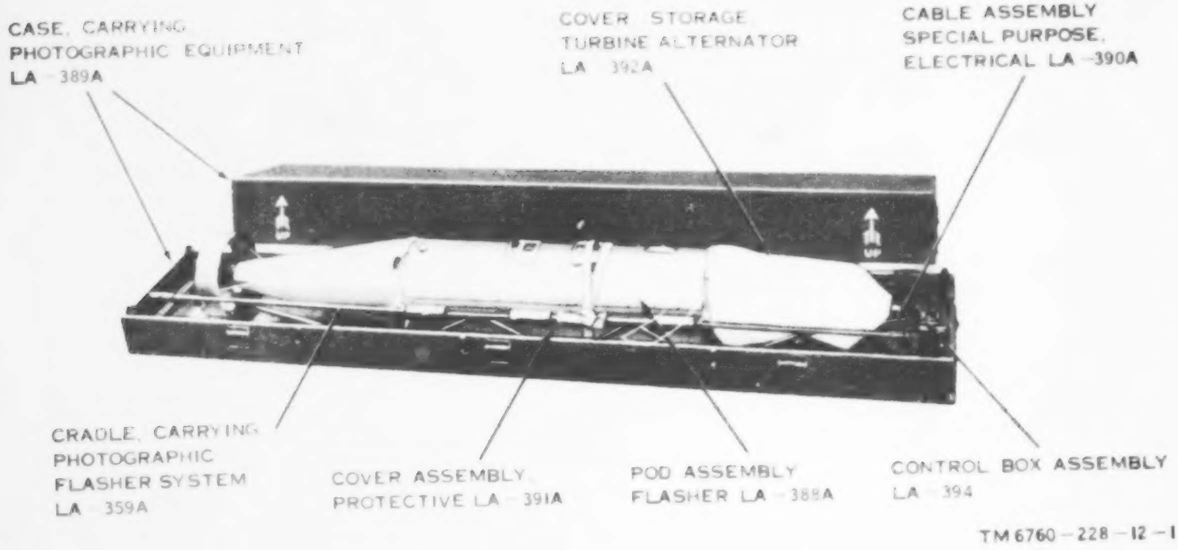

CASE, CARRYING PHOTOGRAPHIC EQUIPMENT LA-389A
COVER STORAGE TURBINE ALTERNATOR LA-392A
CABLE ASSEMBLY SPECIAL PURPOSE, ELECTRICAL LA-390A
CRADLE, CARRYING PHOTOGRAPHIC FLASHER SYSTEM LA-359A
COVER ASSEMBLY, PROTECTIVE LA-391A
POD ASSEMBLY FLASHER LA-388A
CONTROL BOX ASSEMBLY LA-394
TM 6760-228-12-1

Figure 181. LS-59A Photographic Flasher System

1. Brief Description: The LS-59A Aircraft Photographic Flasher System provides high intensity, short duration flashes of light to illuminate the terrain beneath the aircraft during nighttime photographic missions. Major components of the LS-59A are:

LA-359A	Carrying Cradle
LA-388A	Pod Assembly
LA-389A	Carrying Case
LA-390A	Cable Assembly
LA-391A	Cover Assembly
LA-392A	Turbine Cover Assembly
LA-394A	Control Box Assembly

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105	X		
AN/USM-281A		X	X
AN/USM-223		X	X
LA-360	X		
LS-69A	X	X	
LS-70	X		
ME-26B/U		X	X
TK-77/G	X	X	X
TK-109/G		X	X

3. Applicable Publications:

TM 11-6760-228-12
TM 11-6760-228-20P-1
TM 11-6760-228-34P-1
TM 11-6760-228-35
TM 11-6760-228-35-1

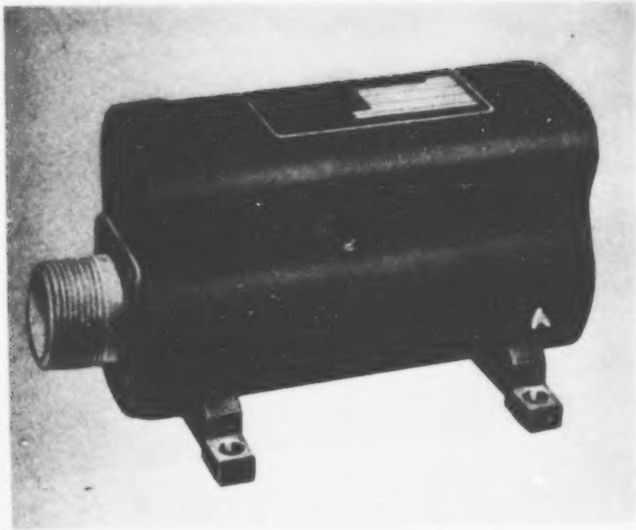


Figure 182. MC-1 Rate Switching Gyro

1. **Brief Description:** The MC-1 Switching Rate Gyro is a compact unit which accurately senses turns of a predetermined rate and performs a switching function. It is hermetically sealed, and its gimbal is partially floated. The input power requirement is 115 volts AC, single-phase, 400 Hz at 7 watts.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** DA manuals are not available. Refer to the following Air Force and Navy publications:

TO 5F6-4-3-3
TO 5F6-4-3-4
NAVAIR 05-20GE-22
NAVAIR 05-20GE-23

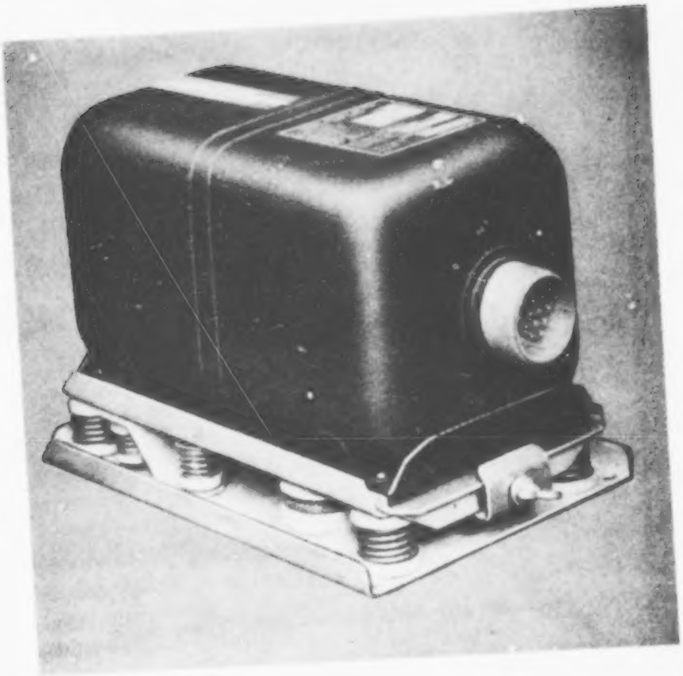


Figure 183. MD-1 Vertical Gyro Control

1. **Brief Description:** The MD-1 control assembly is a compact, light-weight, highly accurate vertical reference system. Within the control's hermetically sealed container is a two-degree-of-freedom gyro element, an automatic starting-cycle circuit, an integral gravity erection system, roll and/or pitch erection cutout switches and a provision for the external application of fast erection when desired. The input power requirement is 115 volts AC, 400 Hz, 3 phase. The following item is used when installing the MD-1:

MT-4177/A . . . . Mount
or
110552-01 (Lear) . . . . Mount

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** DA manuals are not available. Refer to commercial or Air Force manuals.

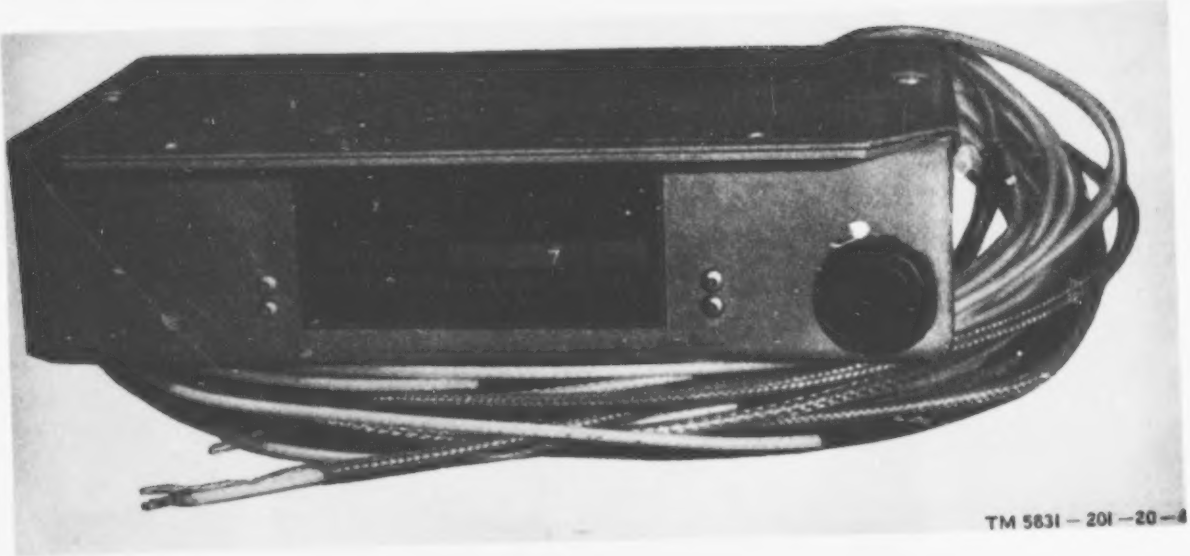


Figure 184. MD-736/A Discrete Signal Discriminator

1. **Brief Description:** The MD-736/A discrete signal discriminator is used as auxiliary equipment in conjunction with the C-1611D/AIC. It provides filtering of transmit audio signals from the VHF, UHF, and HF radio signals that pass through the interphone systems of Army aircraft. The MD-736/A also functions to disable the FM radio reception when transmitting on VHF, UHF, or HF. The MD-736/A is a self-contained Unit requiring an input voltage of 27.5 volts DC.

2. **Applicable Tools and Test Equipment:** See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-223		X	X
ME-26D/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723D/U		X	X

3. **Applicable Publications:**

TM 11-5831-201-20
TM 11-5831-201-20P
TM 11-5831-201-34P
TM 11-5831-201-35

(Illustration not available)

Figure 185. MD-1047/A Audio Threshold System

1. **Brief Description**: The MD-1047/A Audio Threshold System is installed in the CH-47D and UH-1H aircraft respectively and is designed to provide adequate cross-talk isolation during KY-28/58 secure voice operation to prevent inadvertent transmission of audio from another radio facility. It will accommodate up to four interphone stations.

2. **Applicable Tools and Test Equipment**: See appendix B for monenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-127		X	X
AN/USM-223	X	X	X
AN/USM-281		X	X
ME-30E/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. **Applicable Publications:**

TM 11-1520-210-20 (Pertains to UH-1 aircraft)
TM 11-1520-210-20-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-20P (Pertains to UH-1 aircraft)
TM 11-1520-210-20P-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-34-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-34P (Pertains to UH-1 aircraft)
TM 11-1520-210-34P-1 (Pertains to UH-1 aircraft)
TM 11-1520-210-35 (Pertains to UH-1 aircraft)

Illustration not available)

Figure 186. MD 1101/A Audio Threshold System

1. Brief Description: The MD-1101/A Audio Threshoid System is installed in the AH-1S and OH-58( ) aircraft respectively and is designed to provide adequate cross-talk isolation during KY-28/58 secure voice operation to prevent inadvertant transmission of audio from another radio facility. It will accommodate up to three interphone stations.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-127		X	X
AN/USM-223	X	X	X
AN/USM-281		X	X
ME-30E/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-1520-228-20 (Pertains to OH-58 aircraft)
TM 11-1520-228-20-1 (Pertains to OH-58 aircraft)
TM 11-1520-228-20P (Pertains to OH-58 aircraft)
TM 11-1520-228-34 (Pertains to OH-58 aircraft)
TM 11-1520-228-34-1 (Pertains to OH-58 aircraft)
TM 11-1520-228-34P (Pertains to OH-58 aircraft)
TM 11-1520-236-20 (Pertains to AH-1S aircraft)
TM 11-1520-236-20P (Pertains to AH-1S aircraft)
TM 11-1520-236-24P-1 (Pertains to AH-1S aircraft)
TM 11-1520-236-34 (Pertains to AH-1S aircraft)
TM 11-1520-236-34P (Pertains to AH-1S aircraft)

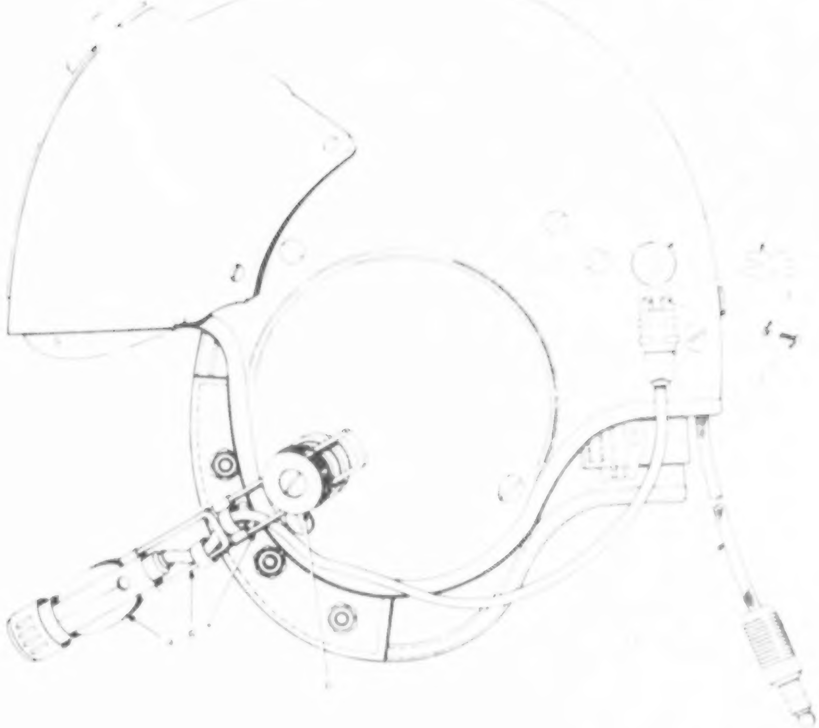


Figure 186.1 MK-896A/AIC Headset-Microphone Kit

1. Brief Description: The MK-896A/AIC Headset-Microphone Kit provides communication for the model SPH-4 Protective Fiying Helmet. Major components are:

H-134A/AIC	Earphone (2 ea)
M-87A/AIC	Microphone

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

	(AVUM)	(AVIM)
AN/USM-223		X
TK-105/G		X

3. Applicable Publications:

TM 11-5965-279-13&P

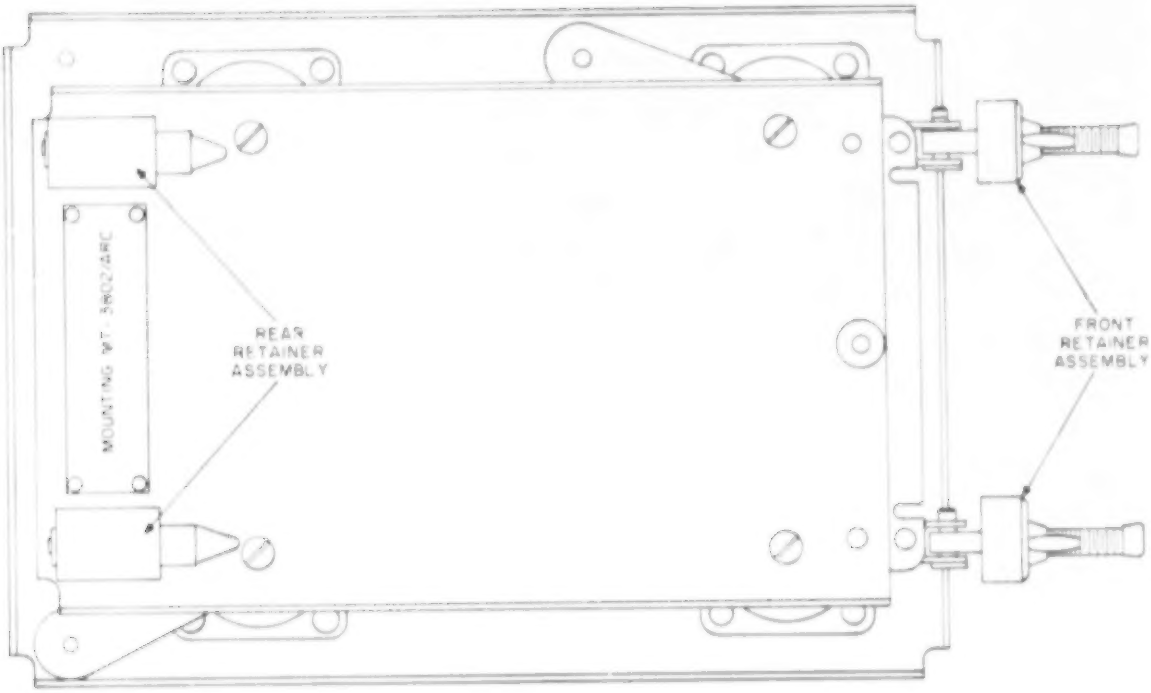

MOUNTING MT-3802/ARC
REAR RETAINER ASSEMBLY
FRONT RETAINER ASSEMBLY

Figure 187. MT-3802/ARC Mount

1. **Brief Description**: The MT-3802/ARC provides a secure mount for the TSEC/KY-28 cipher equipment within an aircraft or a console. The mount consists of an upper and lower plate separated by four isolator mounts. The two plates are electrically connected through grounding straps. The TSEC/KY-28 is secured to the upper plate of the mount by the rear retainer assembly and the fromt retainer assembly.

2. **Applicable Tools and Test Equipment**: Not applicable.

3. **Applicable Publications**:

TM 11-5895-555-23P
TM 11-5895-555-24

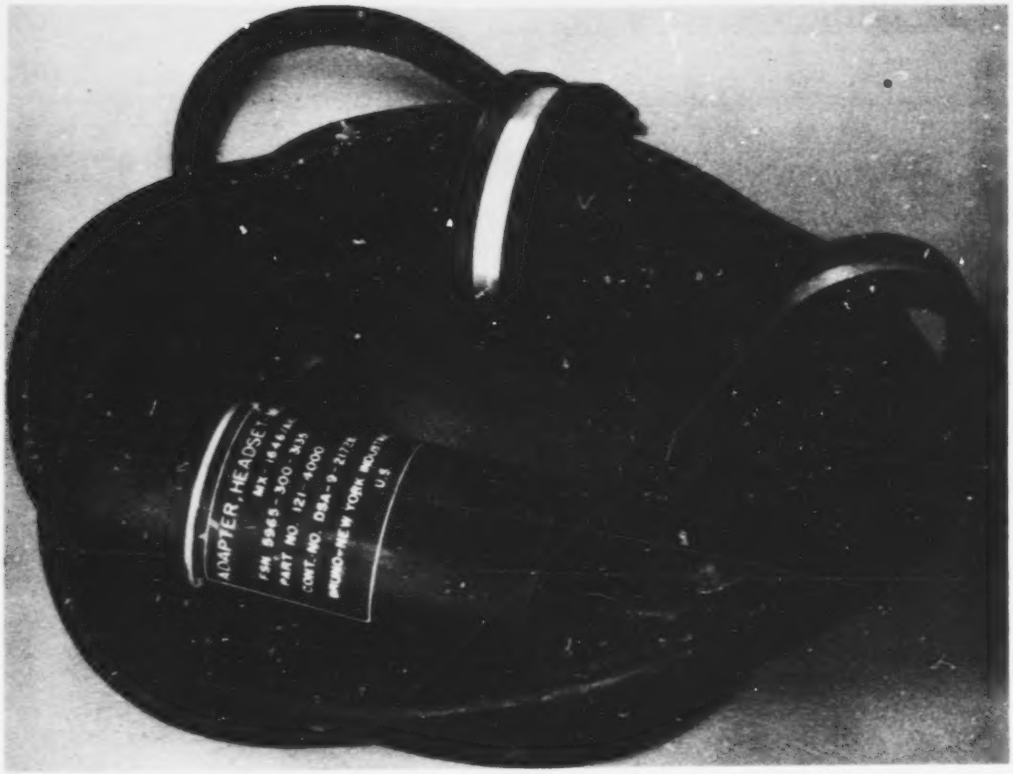

ADAPTER, HEADSET
MX-1646/AIC
FSN 5965-300-3155
PART NO 121-4000
CONT. NO. DSA-9-21726
BRUNO-NEW YORK INDUSTRIES
U.S.

Figure 188. MX-1646/AIC Headset-Microphone Adapter

1. Brief Description: The MX-1646/AIC is a transistorized audio amplifier and impedance matching device which effectively increases the input impedance of 8-ohm headsets to 600 ohms and amplifies the microphone audio output level to effect a suitable matching arrangement between the SB-329 Distribution Panel and the headset-microphone components of the aircraft. The MX-1646/AIC is powered by 27.5 volts DC.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/URM-127		X	X
ME-30A/U		X	X
TK-101/G		X	
TS-585C/U		X	X

3. Applicable Publications:

TM 11-5965-240-15
TM 11-5965-240-35P

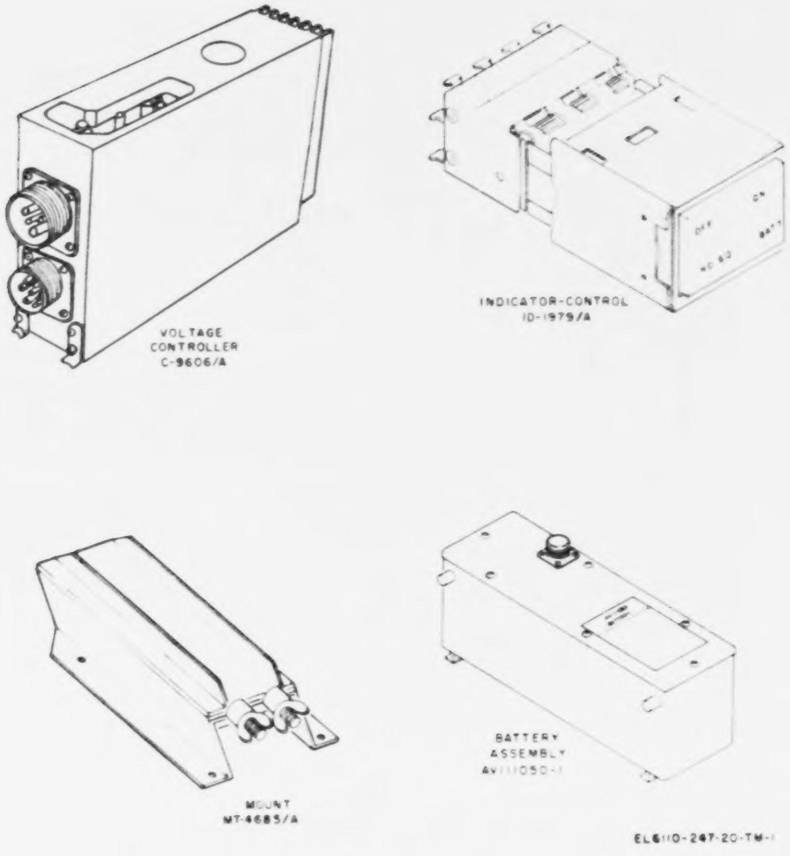

VOLTAGE
CONTROLLER
C-9606/A
INDICATOR-CONTROL
ID-1979/A
OFF
ON
NO GO
BATT
MOUNT
MT-4685/A
BATTERY
ASSEMBLY
AV11050-1
EL6110-247-20-TM-1

Figure 189. OK-279/A Voltage Control Group

1. Brief Description: The OK-279/A Voltage Control Group is designed to accept the fluctuating input from the aircraft primary DC power source and provide a constant, uninterrupted output. It will also suppress transients and spikes. Major components of the OK-279/A are:

BB-708/U (AV11050-1)	Battery
C-9606/A	Voltage Controller
ID-1979/A	Control-Indicator
MT-4685/A	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ASM-137		X	X
AN/GSM-64B		X	X
AN/USM-223	X	X	X
AN/USM-281C		X	X
PP-2309B/U		X	X
PP-3940A/G		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
Tool, Crimping		X	X

3. Applicable Publications:

TM 11-6110-247-20
TM 11-6110-247-24P

best copy available

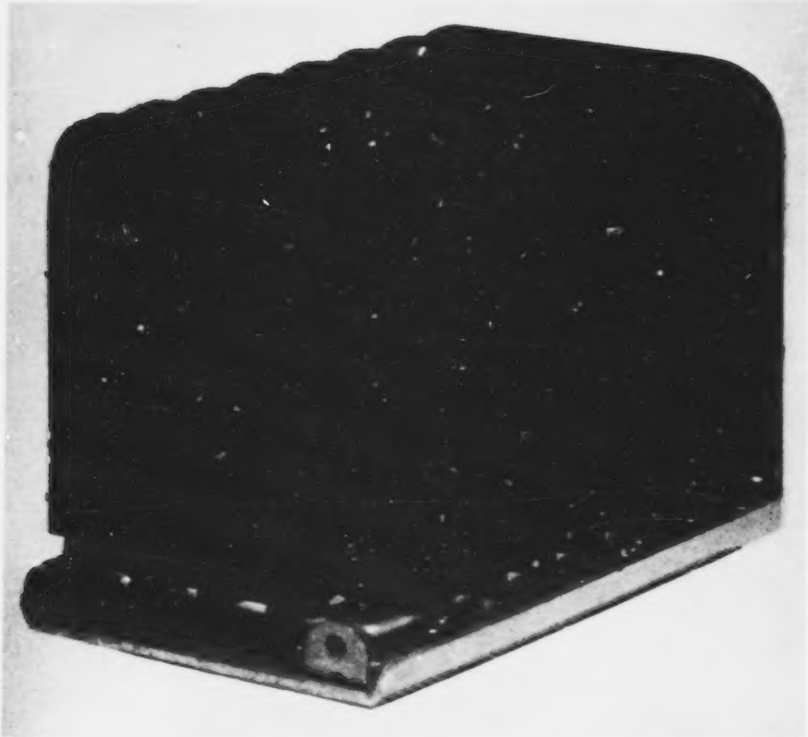


Figure 190. PP-2792/ARN-30D Power Supply

1. **Brief Description**: Power Supply Dynamotor PP-2792/ARN-30D is a completely inclosed and sealed unit designed to furnish high voltage to the main components. The PP-2792/ARN-30D has a rated input of 3.4 amps at 15 volts DC or 1.7 amp at 28 volts DC. The rated output is .85 amp at 250 volts DC.

2. **Applicable Tools and Test Equipment**: Refer to data sheet for AN/ARN-30.

3. **Applicable Publications:**
TM 11-5826-215-12 (Pertains to AN/ARN-30)
TM 11-5826-215-35 (Pertains to AN/ARN-30)

(Illustration not available)

Figure 191. PP-6376/A Static Inverter

1. **Brief Description:** The PP-6376/A static inverter, used on the OH-58A helicopter, is a rectangular shaped, solid state device that converts 28 volts DC power to 115 volts AC, 400 Hz under loads of 65 volt amps to 100 volt amps. The inverter is housed in a sealed metal case. A six-pin, quick-disconnect plug mounted on one end of the unit provides the electrical connection. The unit is secured to the OH-58A by four screws through flanges at the bottom.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:**

TM 11-1520-228-20 (Pertains to OH-58A)
TM 11-1520-228-20-1 (Pertains to OH-58A)
TM 11-1520-228-20P (Pertains to OH-58A)
TM 11-1520-228-34 (Pertains to OH-58A)
TM 11-1520-228-34-1 (Pertains to OH-58A)
TM 11-1520-228-34P (Pertains to OH-58A)

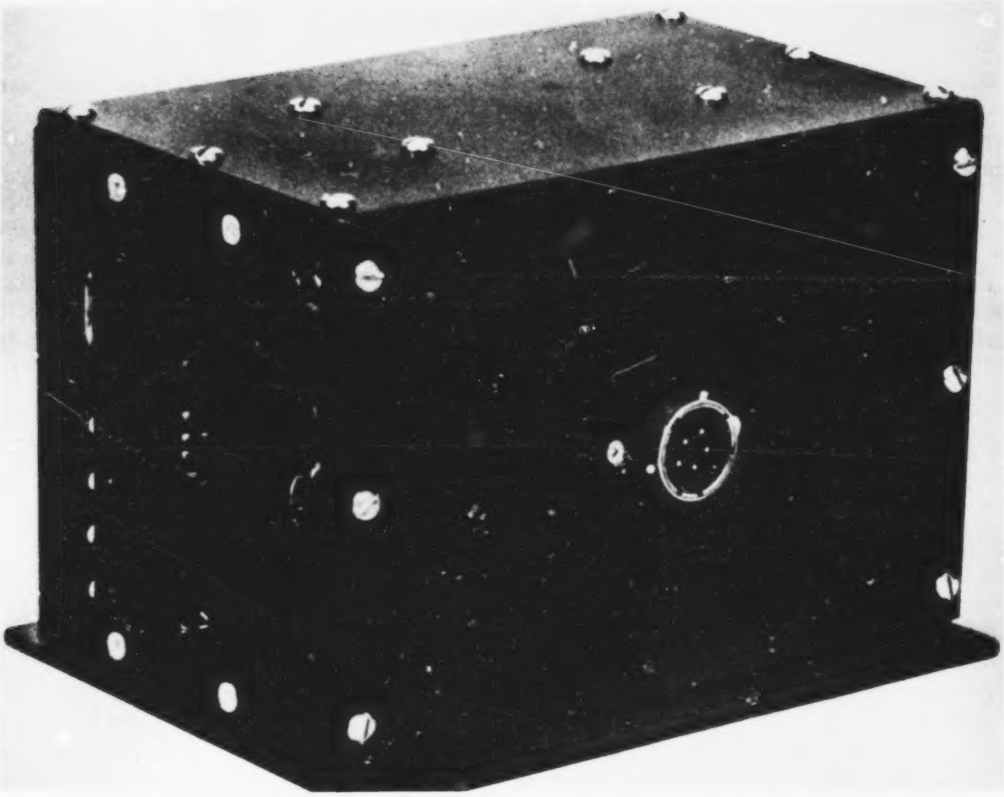


Figure 192. PP-6508/U Static Inverter

1. Brief Description: The Static Power Inverter PP-6508/U is a high frequency, bridge-formed wave inverter that converts 28 volts DC to 115 volts AC, 400 Hz, under loads of up to 150 volt amps. The basic inverter consists of a phased-controlled, high frequency converter, three bridge-forming inverters and input/output filters. Overcurrent, over-voltage and short-circuit regulation is provided by circuits that sense the overcurrent condition and shift the phase of the master and slave converts to null each other, thereby stopping the output to protect the unit from damage. The PP-6508/U is installed as the spare inverter on the AH-1G helicopter. Power input requirement is 27.5 volts DC at approximately 18 amps.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-65		X	X
AN/USM-281A		X	X
ME-26B/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-6130-364-30-1
TM 11-6130-364-34

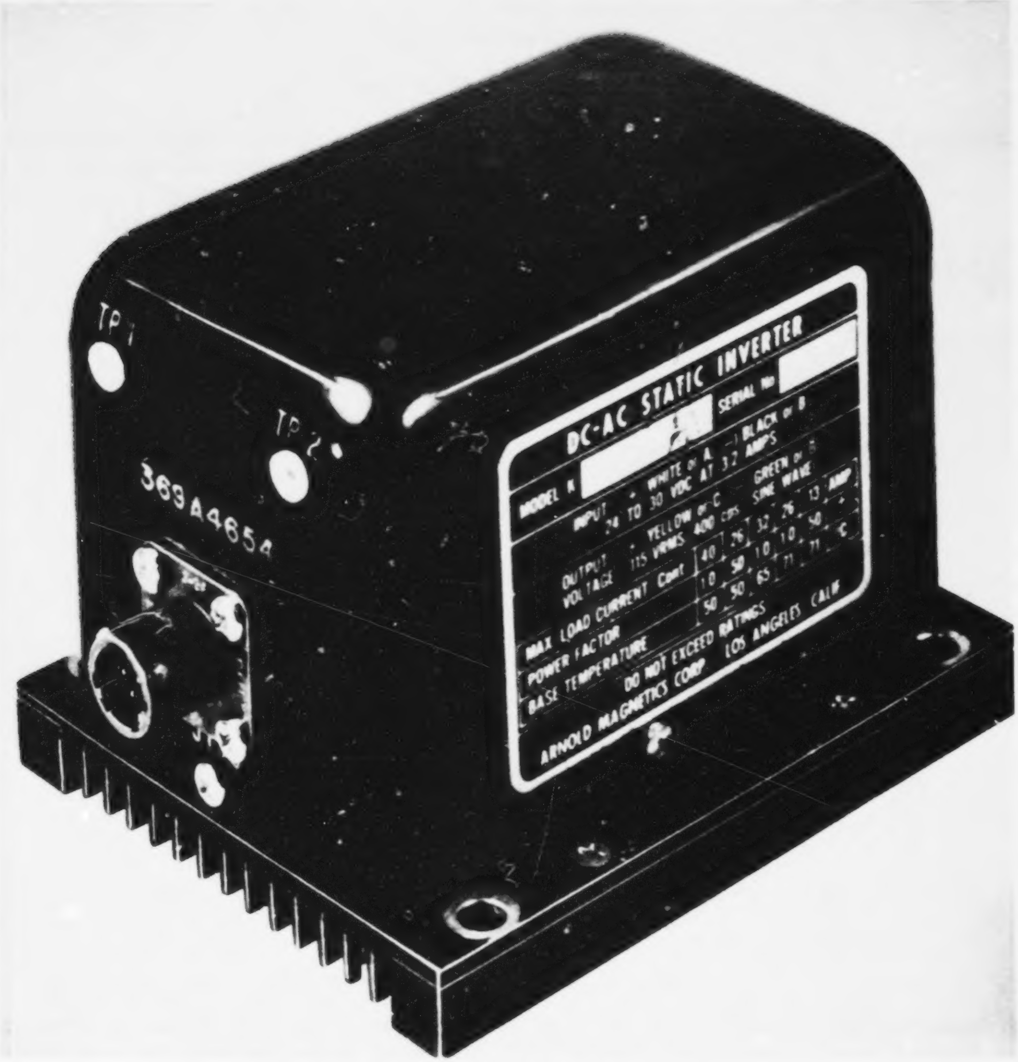

TP 1
TP 2
369A4654
DC-AC STATIC INVERTER
MODEL
SERIAL No
INPUT + WHITE or A – BLACK or B
24 TO 30 VDC AT 3.2 AMPS
OUTPUT VOLTAGE + YELLOW or C GREEN or B
115 VRMS 400 CPS SINE WAVE
MAX LOAD CURRENT Cont
POWER FACTOR
BASE TEMPERATURE
DO NOT EXCEED RATINGS
ARNOLD MAGNETICS CORP LOS ANGELES CALIF

Figure 193. PP–6674/A Static Inverter

1. Brief Description: The PP–6674 Static Inverter is a rectangular shaped, solid-state device that converts 28 volts DC power to 115 volts AC, 400 Hz power under loads of 41 to 56 volt amps. The AC power provided by the inverter is used by the attitude gyro and the heading reference facility. This inverter is used on OH–6A helicopters equipped with the SLAE Avionics Package, i.e., AN/ARC–114, AN/ARC–115, AN/ARN–89, etc.

2. Applicable Tools and Test Equipment: Not applicable.

3. Applicable Publications:

TM 11–1520–214–20 (Pertains to OH–6A)
TM 11–1520–214–20–1 (Pertains to OH–6A)
TM 11–1520–214–20P (Pertains to OH–6A)
TM 11–1520–214–20P–1 (Pertains to OH–6A)
TM 11–1520–214–34 (Pertains to OH–6A)
TM 11–1520–214–34–1 (Pertains to OH–6A)
TM 11–1520–214–34P (Pertains to OH–6A)
TM 11–1520–214–34P–1 (Pertains to OH–6A)

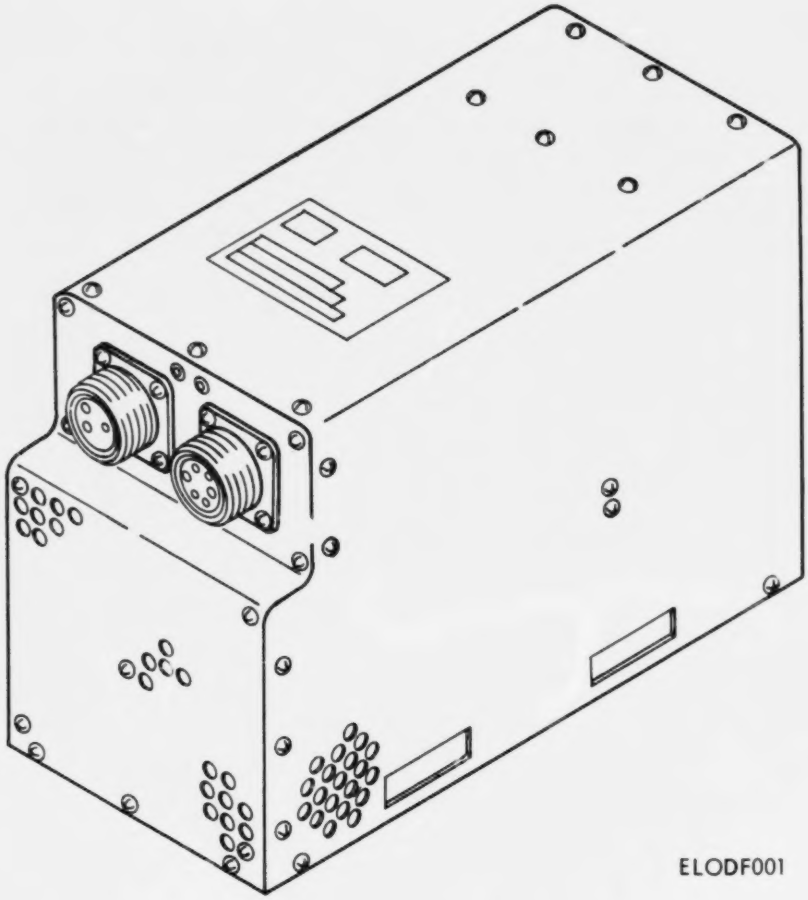


Figure 194. PP–7274( )/A Static Inverter

1. Brief Description: The PP–7274( )/A is a solid state Static Power Inverter that converts a nominal 28 volts DC input to a registered 115 volts AC, 400 Hz, 3 phase output under loads of up to 250 volt amps per phase. It utilized the pulse-width modulation technique and contains no moving parts except for an internal cooling fan. The PP–7274( )/A is installed in the AH–1 series aircraft. Input power requirement is 28 volts DC at 41 amps max for full load output.

2. Applicable Tools and Test Equipment:

Not defined at the time of this printing.

NOTE

Some PP–7274( )/A sets are covered by a warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

TM 11–6125–258–34 (Pertains to "B" model)
TM 11–6125–258–34P (Pertains to "B" model)
TM 11–6125–259–30 (Pertains to "C" model)
TM 11–6125–259–30P (Pertains to "C" model)
TM 11–6125–261–30 (Pertains to "D" model)
TM 11–6125–261–30P (Pertains to "D" model)
TM 11–6130–385–34 (Pertains to "A" model)
TM 11–6130–385–34P (Pertains to "A" model)

(Illustration not available)

Figure 195. PP-7462/U Power Supply

1. Brief Description: The PP-7462/U Power Supply converts 220/440 volts AC to 28 volts DC. It is used to provide power to shop equipment installed in the AN/ASM-189A Repair Van and is designed to be secured to the floor of the van by base mounting hardware. Input voltage is 220/440 volts AC, 60 Hz, 3 phase. Output voltage is 28 volts DC at 500 amperes continuous.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-105C	X		
AN/USM-223	X		
ME-30F/V		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X

3. Applicable Publications:

TM 11-6125-257-14

(Illustration not available)

Figure 196. PP-7618/A Power Supply

1. **Brief Description:** The PP-7618/A is a 5 volt DC power supply installed in selected aircraft to provide a source of power for integrally lit instruments and control panels. Further details were not available at the time of this printing.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not defined at the time of this printing.

(Illustration Not Available)

Figure 196.1. PP–7798/A Battery Charger

1. Brief Description: The PP–7798/A (114-ES014–1) is a constant current charger which maintains an acceptacle voltage level on the BB– 432B/A (145E2089–1) installed in the CH–47D helicopter. Power for the battery charger is provided by the 115/200 volt 3 phase 400 Hz, No 1 AC bus. The charger will terminate charging when one or more of the following faults occur: overheated battery; battery cell unbalance; battery charger exceeds safe operating temperature; output short or open circuit.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications:

TM 11–1520–240–20 (CH–47D)
TM 11–1520–240–20P (CH–47D)
TM 11–1520–240–30P (CH–47D)
TM 11–1520–240–34 (CH–47D)

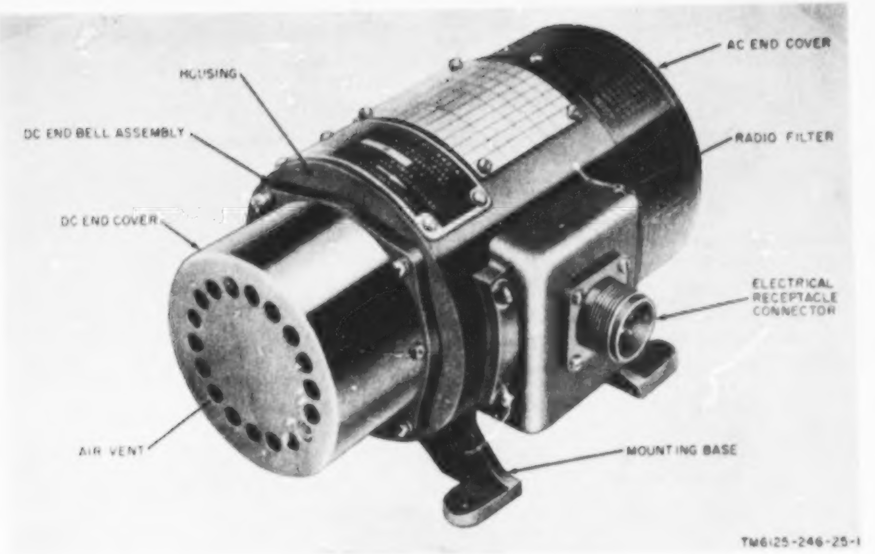

AC END COVER
HOUSING
DC END BELL ASSEMBLY
RADIO FILTER
DC END COVER
ELECTRICAL RECEPTACLE CONNECTOR
AIR VENT
MOUNTING BASE
TM6125-246-25-1

Figure 197. PU-542( )/A Motor Generator

1. Brief Description: Motor Generator PU-542( )/A converts 27.5 volts DC from the aircraft power supply to 115 volts AC, 400 Hz, single-phase or three-phase. The output of the PU-542( )/A can be connected for either three-phase or single-phase operation, but not both at the same time. The PU-542( )/A is capable of providing a power output of up to 100 volt amps with an input of 28 volts DC at 10 amps.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-6			X
AN/GSM-65		X	X
AN/UPM-93C	X		
AN/USM-223		X	X
AN/URM-105C	X		
ME-26D/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-805D/U			X
TS-965/U		X	X
TS-1836B/U			X
ZM-4B/U			X
ZM-21B/U			X

3. Applicable Publications:

TM 11-6125-246-20-1
TM 11-6125-246-25
TM 11-6125-246-34P
TM 11-6125-246-34P-1
TM 11-6125-246-35-1

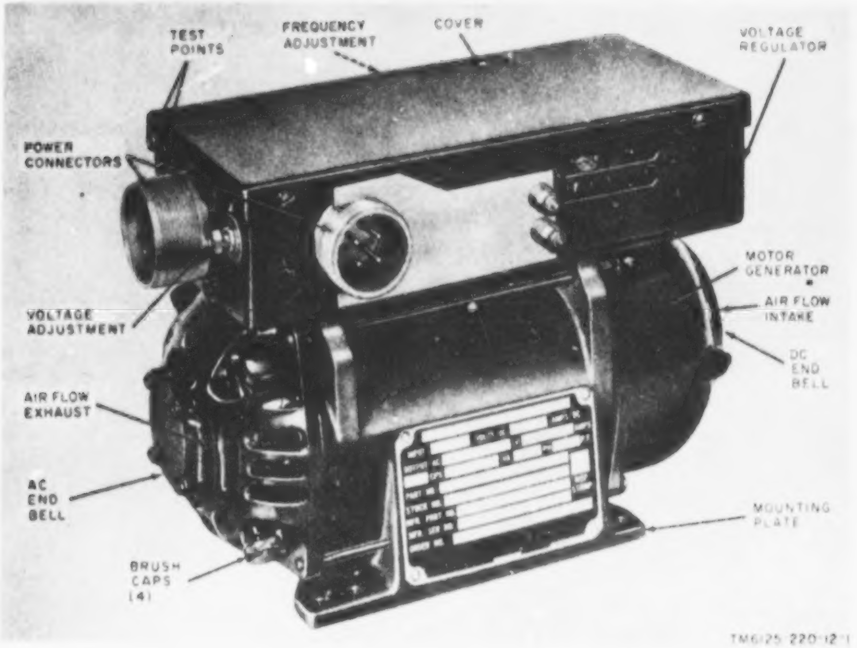

TEST POINTS
FREQUENCY ADJUSTMENT
COVER
VOLTAGE REGULATOR
POWER CONNECTORS
MOTOR GENERATOR
AIR FLOW INTAKE
DC END BELL
VOLTAGE ADJUSTMENT
AIR FLOW EXHAUST
AC END BELL
MOUNTING PLATE
BRUSH CAPS (4)
TM6125-220-12-1

Figure 198. PU-543( )/A Motor Generator

1. Brief Description: The PU-543( )/A motor generator converts 28 volts DC from the aircraft power supply to 115 volts AC, 400 Hz, single-phase or 110/220 volts, 400 Hz, three-phase. The output of the motor-generator can be connected for either single-phase or three-phase operation, but not both at the same time. The PU-543( )/A is capable of delivering 250 volt amp with an input of 28 volts DC at 24 amps. The PU-543D/A differs from the other models in that it contains a total time indicator.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*X*
AN/GSM-6			X
AN/GSM-65		X	X
AN/UPM-93C	X	X	X
AN/URM-105C	X		
AN/USM-223		X	X

Type No.	*O*	*F*	*H*
AN/USM-281A			X
ME-26D/U		X	X
PP-4606/G	X	X	
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-965/U			X
TS-1836B/U			X
ZM-3/U			X
ZM-4B/U			X
ZM-21B/U			X

3. Applicable Publications:

TM 11-6125-220-20
TM 11-6125-220-34P
TM 11-6125-220-34P-2
TM 11-6125-220-35

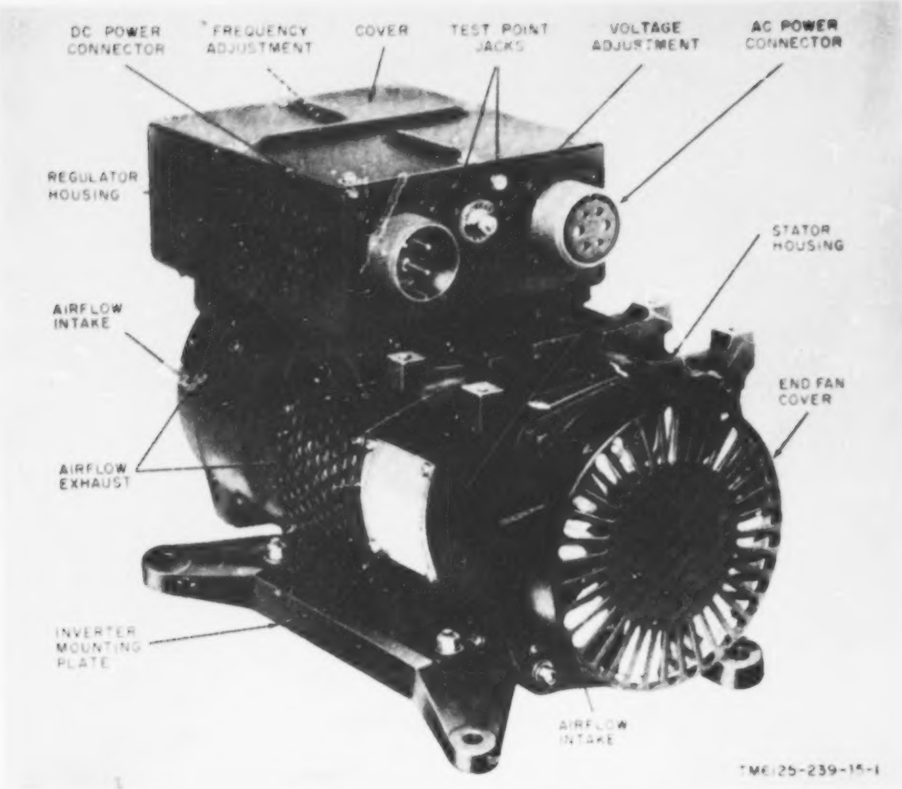

DC POWER CONNECTOR
FREQUENCY ADJUSTMENT
COVER
TEST POINT JACKS
VOLTAGE ADJUSTMENT
AC POWER CONNECTOR
REGULATOR HOUSING
STATOR HOUSING
AIRFLOW INTAKE
END FAN COVER
AIRFLOW EXHAUST
INVERTER MOUNTING PLATE
AIRFLOW INTAKE
TM6125-239-15-1

Figure 199. PU-544/A Motor Generator

1. Brief Description: Motor Generator PU-544( )/A converts 27.5 bolts DC from the aircraft power supply to 115 volts AC, 400 Hz, single-phase or three-phase. The output of the motor generator can be connected for either three-phase or single-phase operation, but not both at the same time. The PU-544( )/A is capable of delivering 750 volt amps with an input of 28 volts DC at 59.5 amps.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-6			X
AN/GSM-65		X	X
AN/UPM-93C	X		
AN/URM-105C	X		
AN/USM-223		X	X
AN/USM-281A			X
ME-26D/U		X	X
PP-1104A/G		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-723D/U			X
TS-805D/U			X
TS-965/U			X
TS-183B/U			X
ZM-4B/U			X
ZM-21B/U			X

3. Applicable Publications:

TM 11-6125-239-15
TM 11-6125-239-20-1
TM 11-6125-239-34P
TM 11-6125-239-34P-1
TM 11-6125-239-35-1

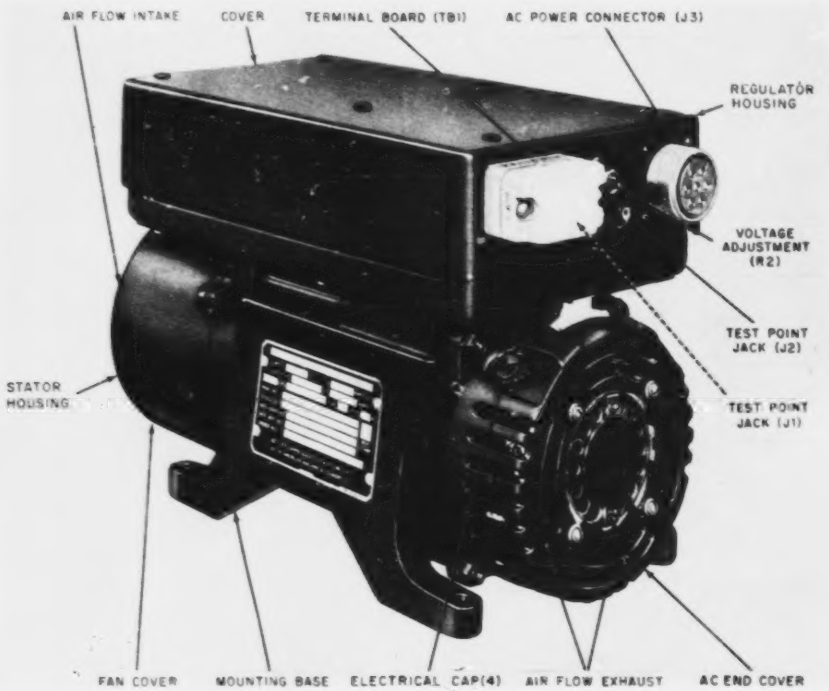

AIR FLOW INTAKE
COVER
TERMINAL BOARD (TB1)
AC POWER CONNECTOR (J3)
REGULATOR HOUSING
VOLTAGE ADJUSTMENT (R2)
TEST POINT JACK (J2)
TEST POINT JACK (J1)
STATOR HOUSING
FAN COVER
MOUNTING BASE
ELECTRICAL CAP(4)
AIR FLOW EXHAUST
AC END COVER

Figure 200. PU-545/A Motor Generator

1. Brief Description: Motor Generator PU-545/A converts 28 volts DC from the aircraft power supply to 115 volts AC, 400 Hz, single-phase 110/220 volts, 400 Hz, three-phase. The output of the motor generator or can be connected for either three-phase or single-phase operation, but not both at the same time. The PU-545/A will deliver 2500 volt amps with an input of 28 volts DC at 190 amps maximum.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-6			X
AN/GSM-65		X	X
AN/UPM-93C	X	X	X
AN/URM-105C	X		
AN/USM-223		X	X
AN/USM-281A			X
ME-26D/U		X	X
PP-4606/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-805D/U			X
TS-965/U			X
TS-1836B/U			X
ZM-3/U			X
ZM-4B/U			X
ZM-21B/U			X

3. Applicable Publications:

TM 11-6125-240-12
TM 11-6125-240-34
TM 11-6125-240-34P

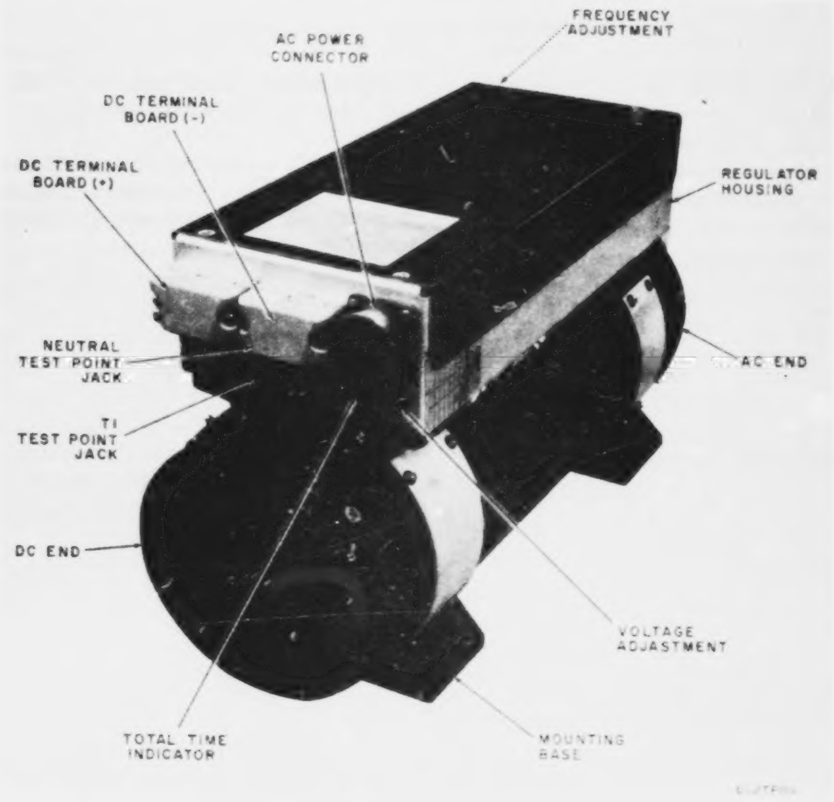

FREQUENCY ADJUSTMENT
AC POWER CONNECTOR
DC TERMINAL BOARD (-)
DC TERMINAL BOARD (+)
REGULATOR HOUSING
NEUTRAL TEST POINT JACK
AC END
T1 TEST POINT JACK
DC END
VOLTAGE ADJUSTMENT
TOTAL TIME INDICATOR
MOUNTING BASE

Figure 201. PU-750/A Motor Generator

1. Brief Description: The PU-750/A is a motor-driven inverter that converts 28 volts DC from the aircraft power supply to 115 volts AC, 400 Hz, single-phase or 115/200 volts AC, three-phase. The output of the inverter can be either single-phase or three-phase but not both simultaneously. The PU-750/A will deliver 5000 volt amps of output power with an input of 28 volts DC at 285 amps.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/GSM-6			X
AN/GSM-65		X	X
AN/UPM-93C	X	X	X
AN/URM-105	X		
AN/USM-223		X	X
AN/USM-281A			X
ME-26D/U		X	X
PP-4606/G		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-965/U			X
TS-1836/U			X
ZM-3/U			X
ZM-4B/U			X
ZM-21A/U			X

3. Applicable Publications:

TM 11-6125-256-20
TM 11-6125-256-34
TM 11-6125-256-34P

(Illustration not available)

Figure 202. Quick Fix ( ) Countermeasures Systems

1. **Brief Discription:** The Quick Fix ( ) system is designed to provide the Division/Brigade Commander with a tactical airborne capability to intercept and jam enemy radio communications. The system consists of a ground based AN/ARM-164 maintenance facility plus the following mission equipment installed in the indicated aircraft:

System	*Aircraft*	*Equipment*
QF IA	EH-1H	AN/ARQ-33
QF IB	EH-1H	AN/ARQ-33A
QF IIA	EH-1X	AN/ALQ-151
QF IIB	EH-60A	AN/ALQ-151

2. **Applicable Tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:** Technical publications for the Quick Fix ( ) system are not available. Refer to applicable publications for each major component.

(Illustration not available)

Figure 203. Quick Look II ELINT System

1. **Brief Description:** The QUICK LOOK II system is an airborne, automatic, computer-controlled radar system which collects and classifies electronic intelligence (ELINT) data. The airborne equipment is integrated into a RV-1D aircraft. The remainder of the system is mounted in several surface vehicles. The QUICK LOOK II system receive ELINT data with the airborne components. The collected information is processed on-board prior to being transmitted via a data link to a ground terminal. The input from the aircraft is further processed on the ground and then selectively transmitted to the appropriate users. The system also features the capability of pre-flight checkout, post-flight interpretation, and field maintenance. The QUICK LOOK II system consists of the common avionics equipment installed on the RV-1D aircraft plus the following major items of mission equipment (see individual data sheets for brief description):

AN/ALM-153	Electronic Shop
AN/ALM-Z154	Flight Line Test Set
AN/ALQ-133	Countermeasures Receiving Set(installed in aircraft)
AN/USM-393	Simulator Set
AN/USQ-61	Digital Data Set (installed in aircraft)

2. **Applicable Tools and Test Equipment**: Tools and test equipment required to maintain the QL II mission equipment are contained in the AN/ALM-153.

3. **Applicable Publications**: Technical publications for the Quick Look II System are not available. Refer to applicable publications for each major component.

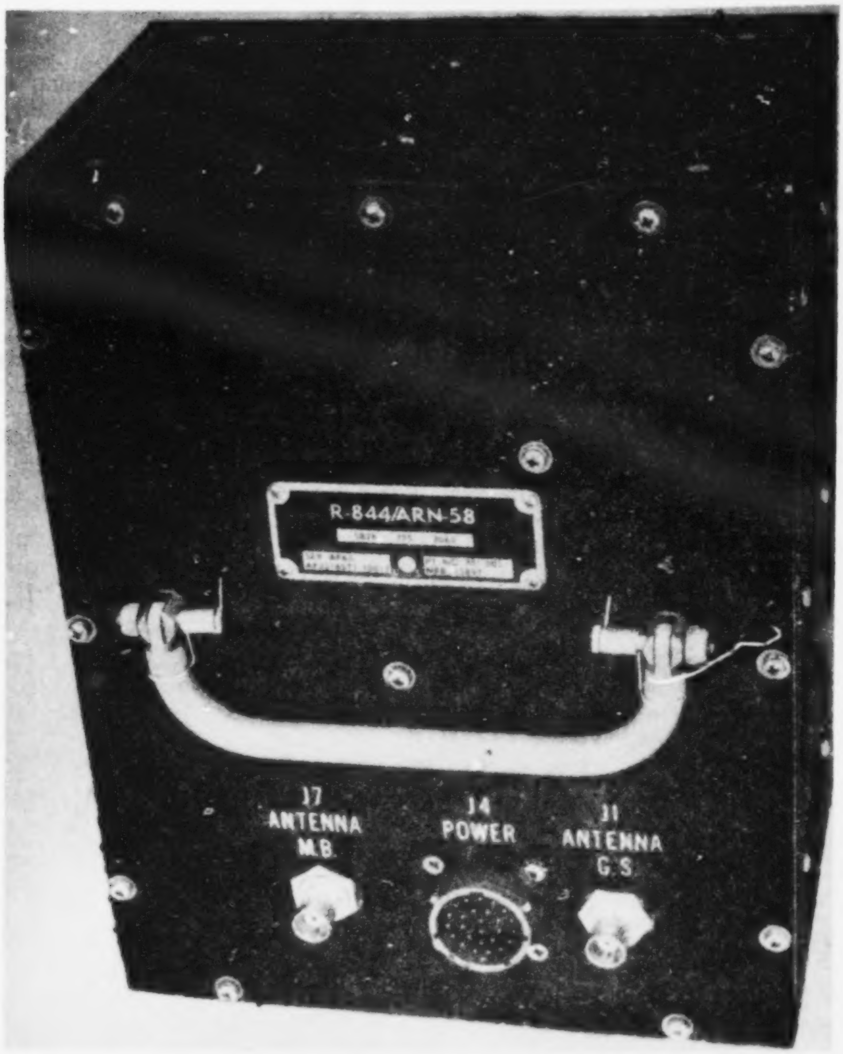


Figure 204. R-844/ARN-58 Radio Receiver

1. Brief Description: Radio Receiver R-844( )/ARN-58 provides an aircraft with a glide slope and marker beacon capability. Through an associated indicator the glide slope receiver in Radio Receiver R-844( )/ARN-58 gives the position of the aircraft with respect to the glide slope course. The marker beacon receiver in the R-844( )/ARN-58 provides visual and aural indication of the passage of an aircraft over a marker beacon transmitter, serving as an airway marker or runway approach marker. Frequency range of the glide slope receiver is 329.3 to 335.0 MHz. Frequency of the marker beacon receiver is 75.0 MHz. Input power requirement is 28 volts DC at 600 ma maximum.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
* AN/ARM-5A		X	X
* AN/RM-69		X	X
* AN/ARM-71		X	X
AN/URM-105C	X		
AN/URM-127		X	X
AN/USM-44B		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
** BC-376/U		X	X
ME-26D/U		X	X
** SG-13/ARN		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-1836B/U			X

3. Applicable Publications:

TM 11-5826-224-25
TM 11-5826-224-34P

* Planned for replacement by the AN/ARM-180
** Planned for replacement by the AN/ARM-186

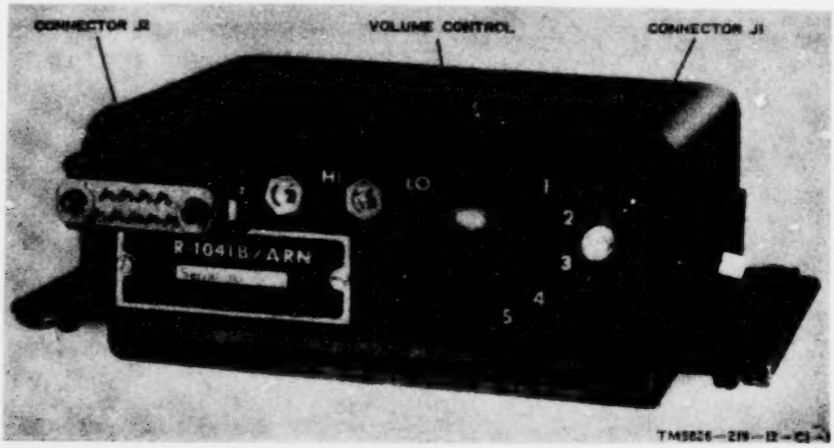


Figure 205. R-1041( )/ARN Radio Receiver

1. Brief Description: Radio Receivers, R-1041( )/ARN, are double conversion, fully transistorized superheterodyne receivers designed to receive a 75 MHz AM marker beacon signal. Reception of the vertical radiated signal is indicated by an audible tone in the headset as well as by a visual signal from a remote indicator lamp. Input power requirements for the R-1041/ARN and R-1041A/ARN is 27.5 volts DC at .075 amps; 27.5 volts DC at .050 amps for the R-1041B/ARN. The following component is used with the receiver:

MT-2292/AR . . . . Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
* AN/ARM-63		X	X
AN/URM-25D		X	X
AN/URM-105	X		
AN/URM-127		X	X
AN/USM-44A		X	X
AN/USM-207A		X	X
AN/USM-223		X	X
** BC-376/U	X	X	
ME-26D/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TS-585/U		X	X
TS-1836/U			X
UG-274B/U		X	X

3. Applicable Publications:

TM 11-5826-219-12
TM 11-5826-219-35
TM 11-5826-219-35/1
TM 11-5826-219-35P

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* Planned for replacement by the AN/ARM-180
** Planned for replacement by the AN/ARM-186

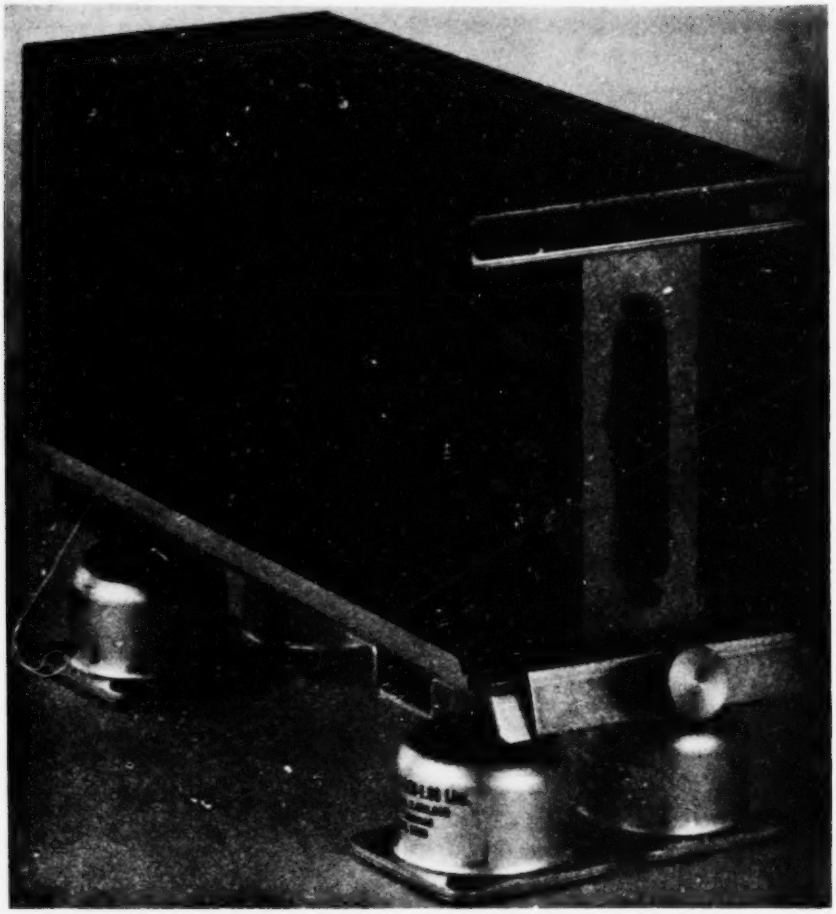

Figure 206. R-1963/ARN Radio Receiver

1. Brief Description: The R-1963/ARN Radio Receiver provides marker beacon position and glideslope information for enroute and terminal navigation and instrument landing system (ILS) approach and landing. The R-1963/ARN is basically a repackaged version of the MB/GS section of the AN/ARN-123 Radio Receiving Set. The GS receiver section has 40 channels covering a frequency range from 329.15 MHz to 335.00 MHz with 150 kHz channel spring. The correct frequency is automatically selected by control of a separate VOR/LOC receiver. Outputs from the GS receiver section are used to drive the horizontal needle of a course deviation indicator. Frequency of the MB receiver is 75.0 MHz and its output operates a marker beacon lamp system and provides audible beacon identification. Input power requirement is 27.5 volts DC. The following item is used with the R-1963/ARN:

MT-4835/ARN ..... Mount

NOTE

The R-1963/ARN is used with a variety of other components such as antennas, indicators, controls, etc. to operate as a complete system. Refer to applicable aircraft configuration sheets for details.

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
*AN/ARM-5		X	X
* AN/ARM-69		X	X
AN/ARM-92B		X	X
AN/URM-127		X	X
AN/UMS-44B		X	X
AN/USM-223		X	X
** BC-376/H	X		
** SG-13/ARN	X		
TK-100/G		X	X
TK-101/G	X		
TS-585C/U		X	X

NOTE

The R-1963/ARN is warranted by the manufacturer under a long term Reliability Improvement Warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TMs, SBs, etc.

3. Applicable Publications:
SB 11-641
TM 11-5826-257-24

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* Planned for replacement by the AN/ARM-180
** Planned for replacement by the AN/ARM-186

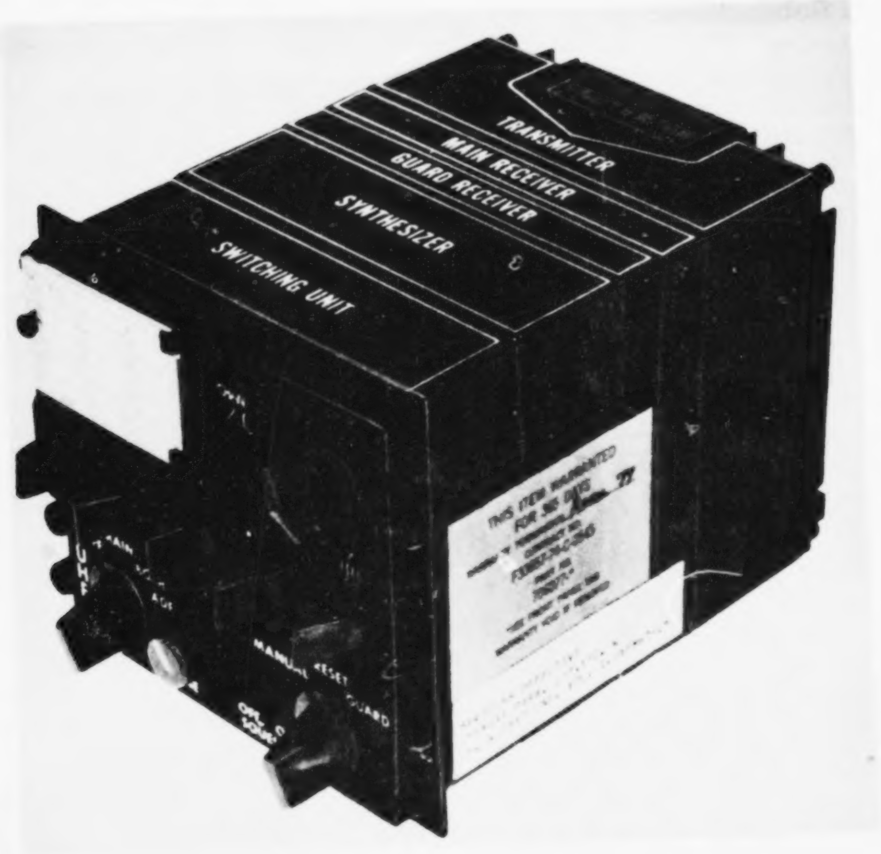


Figure 207. RT–1167( )/ARC–164 Radio Set

1. Brief Description: The RT–1145( )/ARC–164 and RT–1167( )/ARC–164 are airborne transceivers which provide UHF-AM voice communications, homing retransmission, voice security, ADF and guard receiver capabilities. They operate in the frequency range of 225.000 to 399.975 MHz on 7000 channels, 20 of which can be preset. Power input is 28 volts DC and power output is 10 watts minimum. Configuration differences are:

RT–1145C/ARC–164	Remote Mounted Transceiver
C–9533/ARC–164	Panel Mounted Control for RT–1145
MT–4838/ARC–164	Mount for RT–1145
RT–1167( )/ARC–164	Panel Mounted Transceiver
RT–1145F/ARC–164	MIL–STD–1553 Bus Compatible

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type	*O*	*F*	*H*
AN/URM–120		X	X
AN/URM–127		X	X
AN/URM–145		X	X
AN/USM–44B		X	X
AN/USM–98A		X	X

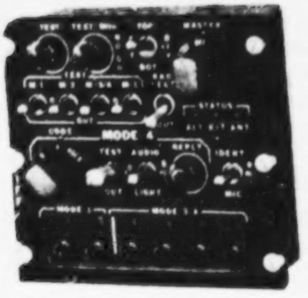
Type No.	*O*	*F*	*H*
AN/USM–207A		X	X
AN/USM–223		X	X
AN/USM–281A		X	X
CM–77A/USM		X	X
CN–318/G		X	X
H–157/AIC		X	X
ME–26D/U		X	X
ME–30A/U		X	X
MK–994/AR		X	X
TK–100/G		X	X
TK–101/G	X		

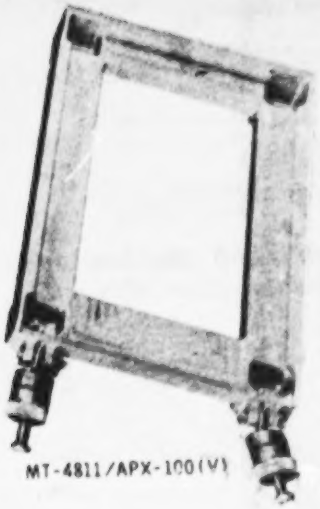
NOTE

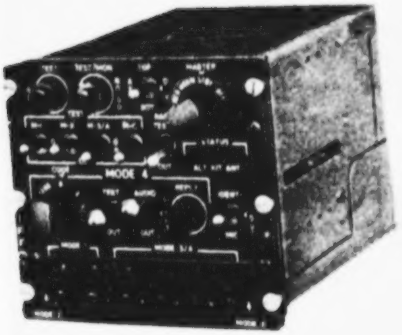
The RT–1145 and RT–1167 are covered by a warranty. During the warranty period, no repair is authorized at any echelon of maintenance and care should be taken not to break or tamper with the warranty seals. Upon verification of a failure at DS (or AVIM) level, defective components should be returned to the manufacturer in accordance with instructions contained in applicable TMs, SBs, etc.

3. Applicable Publications:

TM 11-5821-311-12
TM 11-5821-311-20
TM 11-5821-311-34
TM 11-5821-311-34P


C-10533/APX-100(V)


MT-4811/APX-100(V)


RT-1285/APX-100(V)

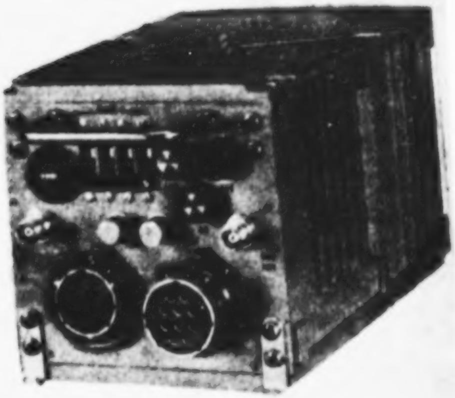

RT-1157/APX-100(V)

Figure 208. RT–1157( ), RT–1285( ), RT–1296( )/APX Transponder

1. Brief Description: The RT–1157, RT–1285( ), and RT–1296( ) are lightweight space diversity transponders which function to receive RF interrogations from two antennas and transmit a reply to the antenna from which the stronger interrogation signal was received. They operate in Modes 1, 2, 3/A, C and 4 and have a built-in test capability in all modes. Special reply features available to the operator include Emergency, I/P and X Pulse. These transponders transmit on a frequency of 1090 MHz and receive on 1030 MHz. Input power requirements is 28 volts DC at 35 watts. The "A models of this family of transponders are product improved versions of the original production configuration. Configuration differences are as follows:

RT–1157( )/APX–100(V)	Remove Mounted Transponder
MT–4811( )/APX–100	Mount for RT–1157
C–10009/APX–100	Panel Mounted Control (5 volt red lighting) for RT–1157
C–10533( )/APX–100	Panel Mounted Control (28 volt red lighting) for RT–1157
RT–1285( )/100(V)	Panel Mounted Transponder with 28 volt red lighting
RT–1296( )/APX–100(V)	Panel Mounted Transponder with 5 volt red lighting
RT–1411( )/APX–100(V)	MIL–STD–1553 Bus Compatible

The following items are used with the transponder operate as a complete system:

AAU-32/A	Encoding Altimeter
AT-740/A	Antenna (2 ea)
or	
AT-741/A	Antenna (2 ea)
AT-884/APX	Antenna (2 ea)
or	
KIT-1A/TSEC	Computer
MT-3949/A/U	Mount (KIT-1A)

2. Applicable Tools and Test Equipment:

See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/APM-378	X		
TK-101/G	X		

NOTE

This equipment is supported by the manufacturer through an ILS agreement with the Navy. During the support period, no repair is authorized at any echelon of maintenance. Upon verification of a failure at DS (or AVIM) level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM's, SB's, etc.

3. Applicable Publications:

TM 11-5895-1037-12

Brief Description: Refer to data sheet for RT-1145C/ARC-164.

RT-1285( )/APX-100(V) Transponder Set

Brief Description: Refer to data sheet for RT-1157( )/APX-100(V).

RT–1296( )/APX-100(V) Transponder Set

Brief Description: Refer to data sheet for RT–1157( )/APX–100(V).

RT–1300( )/ARC–186

Brief Description: Refer to data sheet for AN/ARC–186(V).

Brief Description: Refer to data sheet for AN/ARC–186(V).

RT–1411( )/APX–100(V) Transponder Set

Brief Description: Refer to data sheet for RT–1157( )/APX–100(V).

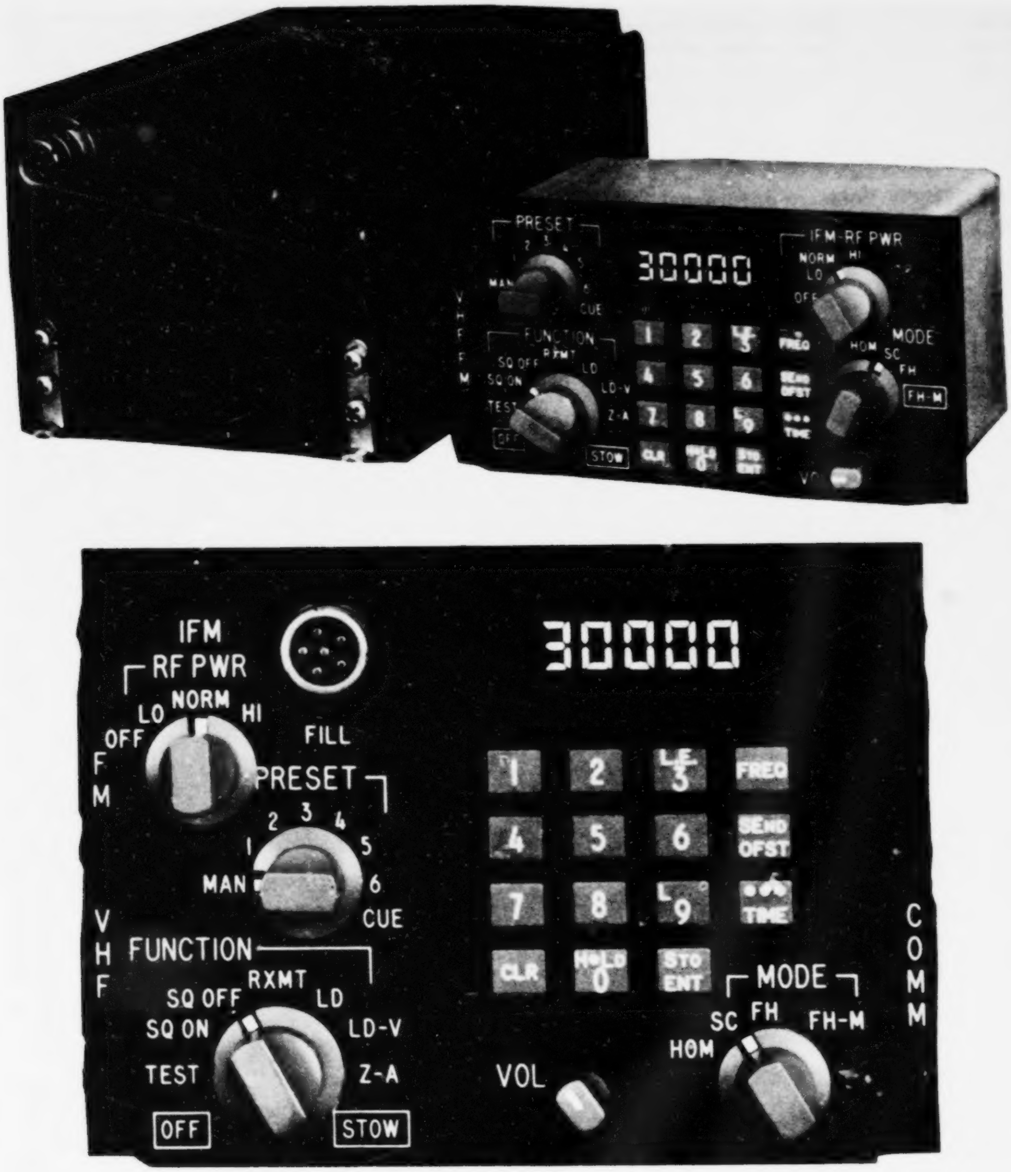

IFM
RF PWR
OFF
LO
NORM
HI
FILL
F
M
PRESET
1
2
3
4
5
6
MAN
CUE
V
H
F
FUNCTION
SQ OFF
RXMT
LD
SQ ON
LD-V
TEST
Z-A
OFF
STOW
30000
1
2
LE 3
FREQ
4
5
6
SEND OFST
7
8
L 9
TIME
CLR
HOLD 0
STO ENT
MODE
SC
FH
FH-M
HOM
VOL
C
O
M
M

Figure 209. RT–1476/ARC–201(V), RT–1477/ARC–201(V) Transceivers & C–11466/ARC–201(V) Control

1. Brief Description: The RT–1476, RT–1477 and RT–1478 transceivers provide VHF–FM radio communications of voice and data, secure or plain text, in single channel (25 KHz) and the SINCGARS ECCM mode of operation and is intended to replace the equipment and functions now fulfilled by the AN/ARC–54/131, AN/ARC–114 and the FM functions of the RT–1300( )/ARC–186 and RT–1354( )/ARC–186 systems. These transceivers are compatible with the current COMSEC (VINSON) equipment and in non-ECCM mode of operation and interoperable with existing FM radios. These systems operate in the 30–88 MHz range and have 2330 discrete channels at 25 KHz spacing. They are compatible with the improved FM power amplifier, AM–7189/ARC and provide amplitude homing capability. Configuration differences are:

C–11466/ARC–201	Panel Mounted Control for RT–1477
CV–3885/ARC–201	Data Rate Adapter

MT–6373/ARC–201	Adapter Tray for AN/ARC–131 installation
MT–6374/ARC–201	Mount for either RT–1477 or RT–1487
RT–1476/ARC–201	Panel Mounted Transceiver
RT–1477/ARC–201	Remote Mounted Transceiver
RT–1478/ARC–201	Remote Mounted Transceiver, 1553B Compatible

Brief Description: Refer to data sheet for RT–1476/ARC–201(V).

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

Brief Description: Refer to data sheet for RT–1476/ARC–201(V).

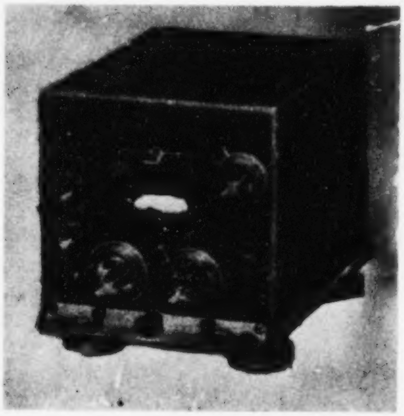


Figure 210. T-366( )/ARC Radio Transmitter

1. Brief Description: The T-366( )/ARC is a component of the ARC-12 series of Radio Sets designed to provide VHF communications in any 2 MHz band between 116 and 132 MHz. The emission is amplitude modulated with a carrier output of approximately 2 watts. The power input requirement is 27.5 volts DC at 1.5 amps. The following components are normally used with the T-366 to comprise an operable system:

C-4209/ARC	Control Panel
F-726/AR	Filter
MT-1142/ARC	Mount
PP-2792/ARN-30D or	Power Supply
DY-86/ARN-30	Dynamotor

2. Applicable Tools and Test Equipment:

See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/ARM-63		X	X
AN/URM-81			X
AN/URM-105C	X		
AN/URM-120		X	X
AN/URM-127			X
AN/USM-223		X	X
DA-75/U		X	X
ME-26B/U			X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TV-7D/U		X	X

3. Applicable Publications:

TM 11-5821-207-12P
TM 11-5821-207-35P

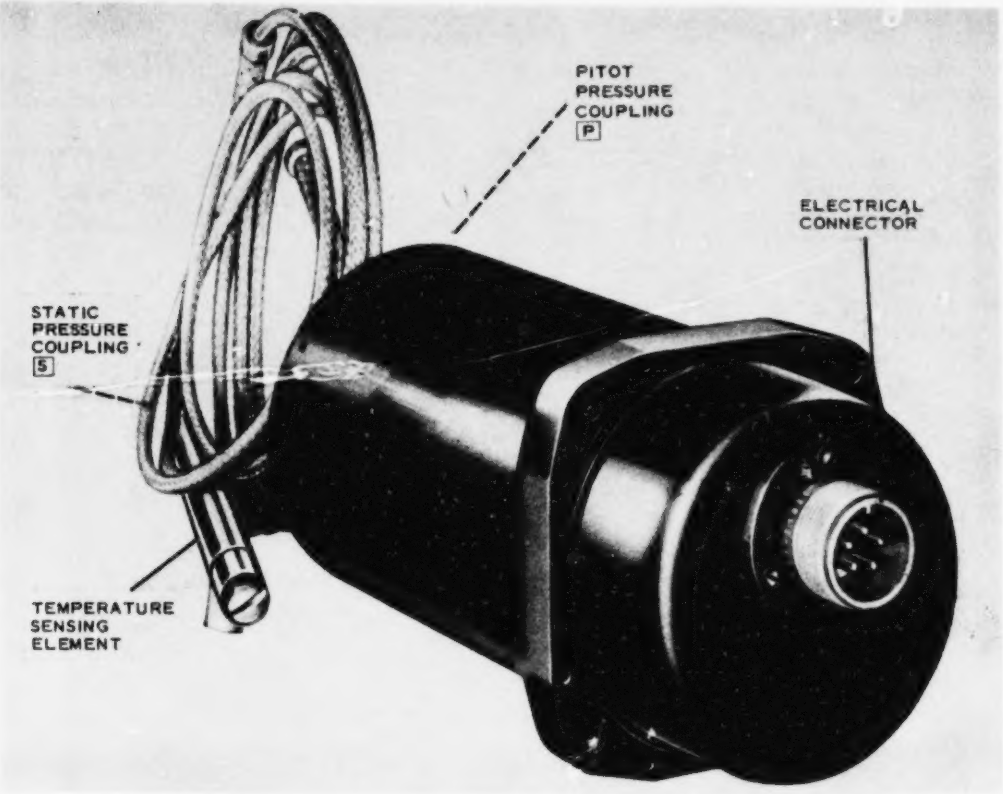

PITOT
PRESSURE
COUPLING
P
ELECTRICAL
CONNECTOR
STATIC
PRESSURE
COUPLING
S
TEMPERATURE
SENSING
ELEMENT

Figure 211. T-992/A True Airspeed Transmitter

1. **Brief Description:** The T-992/A True Airspeed Transmitter contains a transducer which converts static pressure, pitot pressure and temperature to an electrical analog of true airspeed. It is a part of the AN/ASN-64( ) Doppler Navigation Set but is also used with the AN/ASN-86 Inertial Navigation Set when the AN/ASN-64 is not installed.

2. **Applicable Tools and Test Equipment:** Refer to data sheet for AN/ASN-64.

3. **Applicable Publications:**

TM 11-5841-256-12 (Pertains to AN/ASN-64)
TM 11-5841-256-34-1 (Pertains to AN/ASN-64)
TM 11-5841-256-34-2 (Pertains to AN/ASN-64)
TM 11-5841-256-34P-1 (Pertains to AN/ASN-64)
TM 11-5841-256-35P (Pertains to AN/ASN-64)

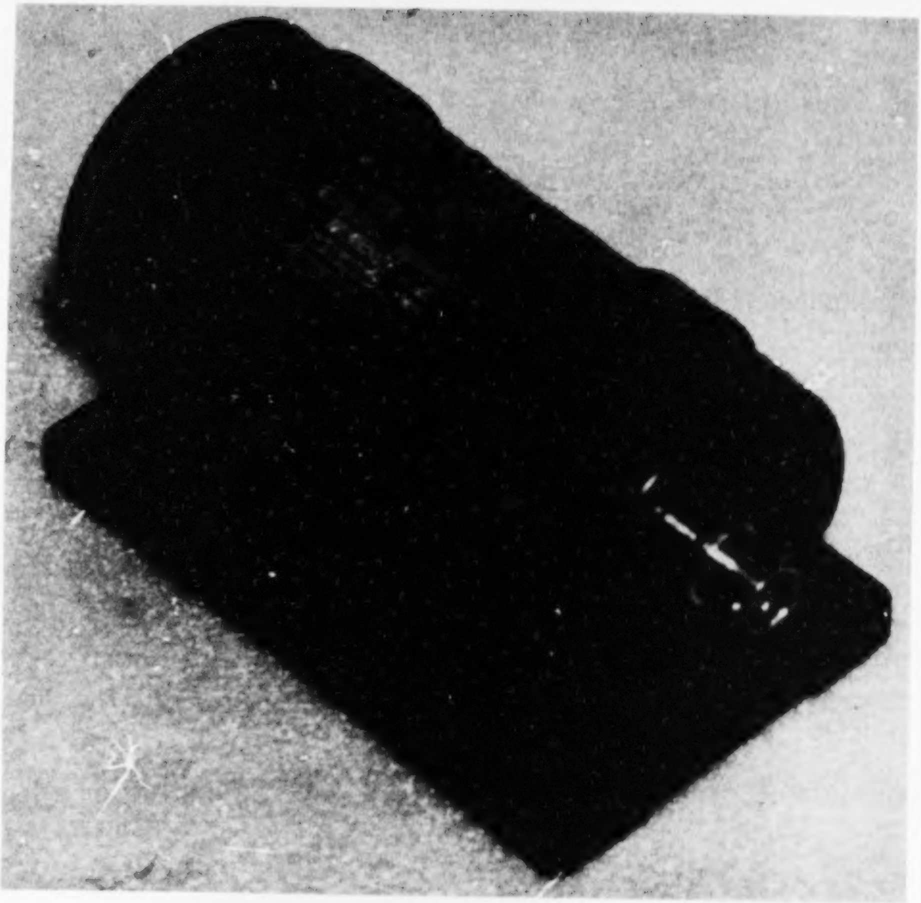


Figure 212. TRU-2A/A Gyro

1. **Brief Description:** The TRU-2A/A Rate of Turn Gyro is installed in the AH-1S and UH-60A helicopters. Further details were not available at the time of this printing.

2. **Applicable tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:** Not defined at the time of this printing.

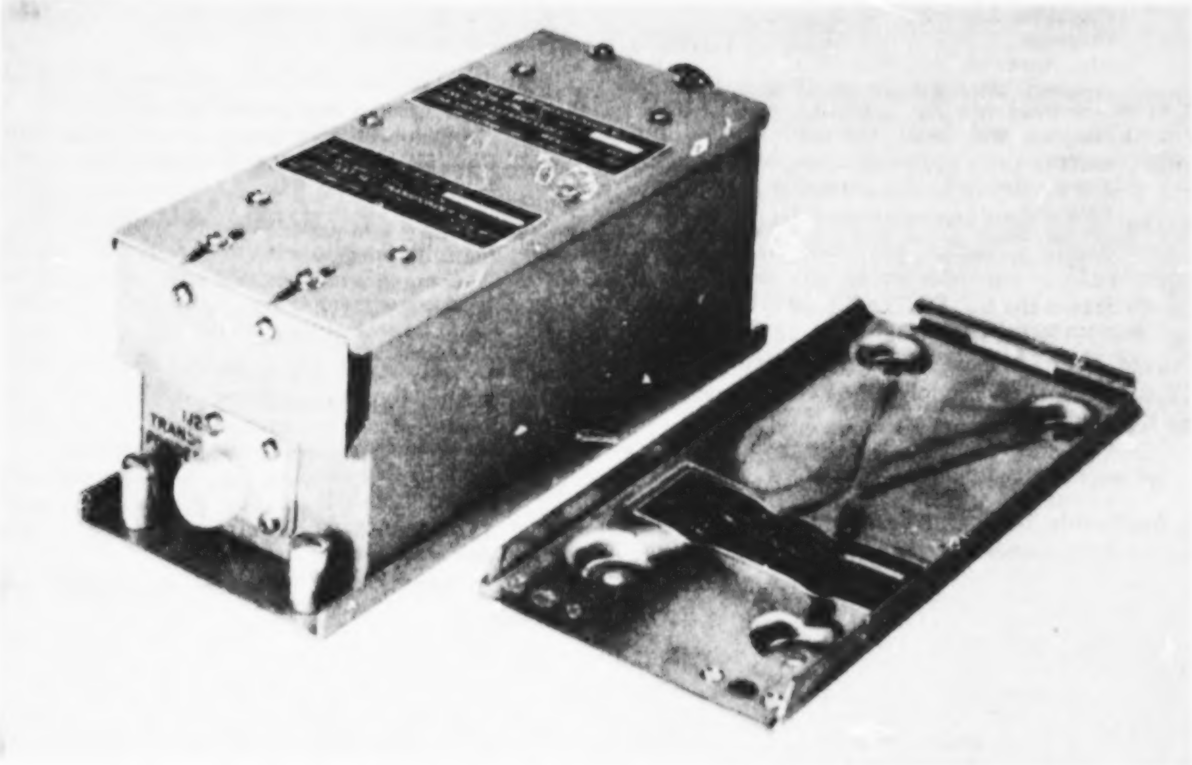


Figure 218. TS-1843( )/APX Transponder Test Set

1. Brief Description: Transponder Test Set TS-1843( )/APX is designed to perform in flight "confidence" testing of the AN/APX-72 Transponder on a go-no-go basis. It will check the transponder functions of receiver frequency, sensitivity, decoding, and transmitter frequency, power, and coding (bracket pulse only). In addition, the test set will check VSWR of the antenna system while monitoring transponder responses to operational interrogation. It generates test signals initiated by the pilot using the test position of the various modes as identified by the select switches of the C-6280(P)/APX control. Input power requirement is 21 to 29 volts DC at 20 watts. The following component is used with the TS-1843( )/APX:

MT-3513/APX	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
(*)AN/APM-123	X		
TK-101/G	X		

(*) Planned for replacement by the AN/APM-378.

NOTE

> No DS or GS maintenance is authorized. Refer to TM 11-6625-1646 Series for depot level tool and test equipment requirements.

3. Applicable Publications:

TM 11-6625-1646-24-1
TM 11-6625-1646-25

(Illustration not available)

Figure 214. TSEC/KY-28 Communications Security Set

1. Brief Description: The TSEC/KY-28 (NESTOR) is a half-duplex, wide-band, microminiaturized, airborne speech security equipment designed to operate with a wide variety of airborne AM/FM radio sets to provide secure voice communication for all classifications of traffic in tactical environments. It is cryptographically intercommunicable with the KY-8 and KY-38 but not the KY-58. The KY-28 is keyed by using the KYK-28/TSEC or KYK-38/TSEC Code Change Keys. A more detailed description of the KY-28 is classified. The following items are used with the KY-28:

C-8157/ARC	Control-Indicator
MT-3802/ARC	Mount

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*	*H*
AN/URM-127			X
AN/USM-117		X	
AN/USM-223		X	X
AN/USM-281C			X
H-189/GR		X	X
ME-303A/U		X	
PP-4838/U		X	X
TK-100/G		X	X
TK-101/G	X		
TK-105/G		X	X
TSEC/ST-28		X	X

3. Applicable Publications:

TM 11-5810-244-10
TM 11-5810-244-20
TM 11-5810-24-34P
TM 11-5895-555-23P (Pertains to C-8157 and MT-3802)
TM 11-5895-555-24 (Pertains to C-8157 and MT-3802)

(Illustration not available)

Figure 215. TSEC/KY-58 Communications Security Set

1. Brief Description: The TSEC/KY-58 (VINSON) is a half duplex, wide-band, miniaturized digital airborne speech security equipment designed to operate with a wide variety of AM/FM radio sets to provide secure voice communication for all classifications of traffic in tactical environments. The KY-58 replaces the KY-28 but they are not cryptographically intercommunicable. The KY-28 can be panel mounted or remotely controlled. A BA-1372/U fill battery is installed to retain fill information in the memory registers when aircraft power to the unit is turned off. The KY-58 is filled (keyed) by using a KYK-13/TSEC Electronic Transfer Device or KOI-18/TSEC General Purpose Tape Reader. The following items are used when the KY-58 is remotely controlled using KY-28 wiring:

Z-AHP	Remote Control Unit
Z-AHQ	Interface Adapter
MT-3802/ARC	Mount

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*O*	*F*
H-250/U	X	X
KYK-13/TSEC		X
KYK-15/TSEC		X
TK-100/G		X
TK-105/G	X	
TSEC/ST-44		X
ON 205104		X
ON 222036		X
ON 512424		X
549		X
8100B		X

3. Applicable Publications:

TM 11-5810-262-20
TM 11-5810-262-34
TM 11-5810-262-34P
TM 11-5810-262-OP

(Illustration not available)

Figure 215.1. UH-60 Automatic Flight Control System

1. Brief Description: The UH-60 Automatic Flight Control System is an electro-hydromechanical system that provides inputs to the flight controls to assist the pilot in maneuvering and handling the aircraft. The three major subsystems of the AFCS are the analog stability augmentation system (SAS 1), the digital AFCS (SAS 2) and the stabilator system. They provide oscillation damping (dynamic stability) and maintain desired attitude, speed and heading (static stability). Major components of the UH-60 AFCS are:

AM-7105/A	Synchro Signal (SAS) Amplifier
AM-7106/A	Elec Control (Stabilator) Amplifier (2 ea)
C-10909/A	Flight Control Panel
CN-1552/A	Rate Gyro
CN-1564/A	Rate Gyro
CP-1446/A	Computer
ID-2279/A	Stabilator Indicator (2 ea)
MT-6227/A	Vibration Tray
TR-322/A	Air Data Transducer
TR-323/A	Air Speed Transducer
TR-326/A	Linear Servo Accelerometer (2 ea)
70400-06712-042	Stabilator Position Sensor
70901-02002-106	Stick Position Sensor

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*(AVUM)*	*(AVIM)*
AN/USM-223	X	
AN/USM-451(2 ea)	X	
MK-693/A	X	
TK-101/G	X	
TS-3920/ASM	X	
7365	X	
Stopwatch	X	

NOTE

Refer to TM 11-1520-237-23-2 and -3 for special and locally made tools, adapters, etc.

3. Applicable Publications:

TM 11-1520-237-23-1 (Pertains to UH-60 Aircraft)

TM 11-1520-237-23-2 (Pertains to UH-60 Aircraft)

TM 11-1520-237-23-3 (Pertains to UH-60 Aircraft)

TM 11-1520-237-23P (Pertains to UH-60 Aircraft)

TM 11-6625-2942-12&P (Pertains to TS-3920/ASW)

(Illustration not available)

Figure 215.2. UH-60 Command Instrument System

1. Brief Description: The UH-60 Command Instrument System is an integrated navigational system based on a central computer that processes signals from navigation and flight instruments/systems to produce visible steering commands for the pilot and copilot. The steering commands allow the pilot to fly a desired heading, reach a selected course, make an ILS landing and keep at a fixed altitude. The CIS receives primary flight information from the AFCS, attitude indicating system, compass system and radar altimeter. Navigational inputs are obtained from the VOR/MB/GS system, the doppler navigational system and the No. 1 VHF/FM system. Major components are:

C-10998/A	HSI/VSI Mode Select Panel (2 ea)
C-10999/A	CIS Mode Select Panel
CP-1470/A	CIS Processor
ID-2277/A	Vertical Situation Indicator (2 ea)
ID-2278/A	Horizontal Situation Indicator (2 ea)
MT-6226/A	Mount (CP-1470)

2. Applicable Tools and Test Equipment: See appendix B for nomenclature, NSN, etc.

Type No.	*(AVUM)*	*(AVIM)*
AN/USM-223	X	
SG-13/ARN	X	
TK-100/G		X
TK-101/G	X	

3. Applicable Publications:

TM 11-1520-237-23-1 (Pertains to UH-60 Aircraft)

TM 11-1520-237-23-2 (Pertains to UH-60 Aircraft)

TM 11-1520-237-23-3 (Pertains to UH-60 Aircraft)

TM 11-1520-237-23P (Pertains to UH-60 Aircraft)

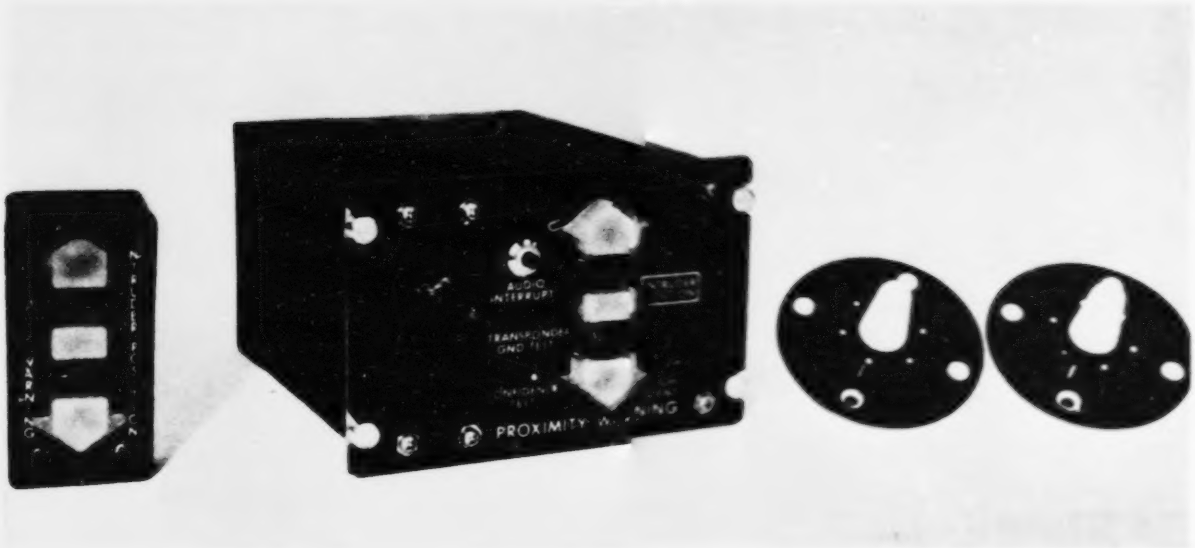


Figure 216. YG-1054D1 Proximity Warning System

1. Brief Description: The YG-1054D1 is a Proximity Warning Device (PWD) which alerts the pilot when one or more similarly equipped helicopters come within the airspace surrounding his aircraft. The PWD regards a similarly equipped helicopter coming within a pilot selectable range of 1000, 3000, or 5000 feet and within an altitude band of ± 300 feet as an intruder. Whenever an intruder enters the protected airspace surrounding the helicopter, the system automatically compares the two altitudes and activates an audio and a visual alarm. The audio alarm is a beeping tone in the aircraft intercom system. The visual alarm is a flashing light of the PWD panel indicating that the intruding helicopter is either at a higher altitude, at the same altitude, or at a lower altitude than the helicopter. The PWD will be installed on UH-1( ), CH-47( ), AH-1( ) and OH-58( ) helicopters operating at Fort Hood, Fort Rucker, Fort Campbell and Fort Bragg. Power input requirement is 27.5 volts DC at 1.5 amps. Major components of the YG-1054D1 are as follows:

10040489-101A (HG8K57235) (Honeywell) (3 ea)	Antenna, Directional (CH-47C only)
10027834-101 (Honeywell) (2 ea)	Antenna, OMNI Directional (UH-1, AH-1, OH-58 only)
JG1054-AA01 (Honeywell)	Indicator, Remote (AH-1 only)
HG1001-AD01 (Honeywell)	Receiver-Transmitter

2. Applicable Tools and Test Equipment: The YG-1054D1 is not a standard Army item; therefore, tool and test equipment requirements were never defined. Support of this system is the responsibility of the user.

3. Applicable Publications: Commercial manuals only.

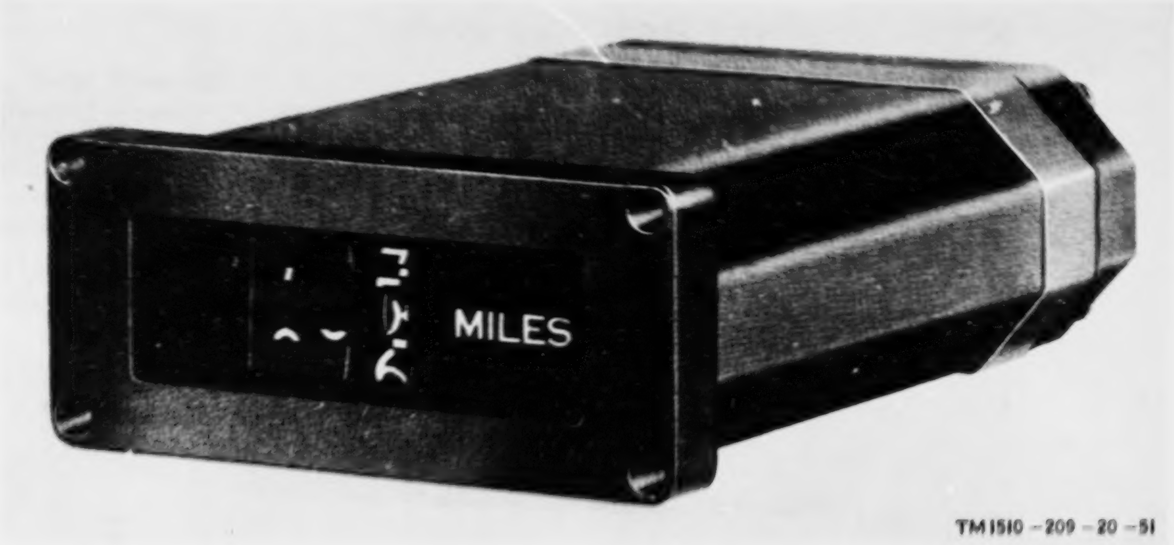


Figure 217. 339D-1 Distance Indicator

1. **Brief Description:** The Collins model 339D-1 Distance Indicator is used in conjunction with the TACAN system on the U-21( ) and RU-21( ) Series Aircraft for the purpose of providing range information. The indicator will register the distance in miles from a known reference. The 339D-1 is equipped with a warning flag which appears in the viewing window to indicate a malfunction in the equipment, a power failure, or a period of inoperation.

2. **Applicable Tools and Test Equipment:** Not applicable.

3. **Applicable Publications:** Not applicable.

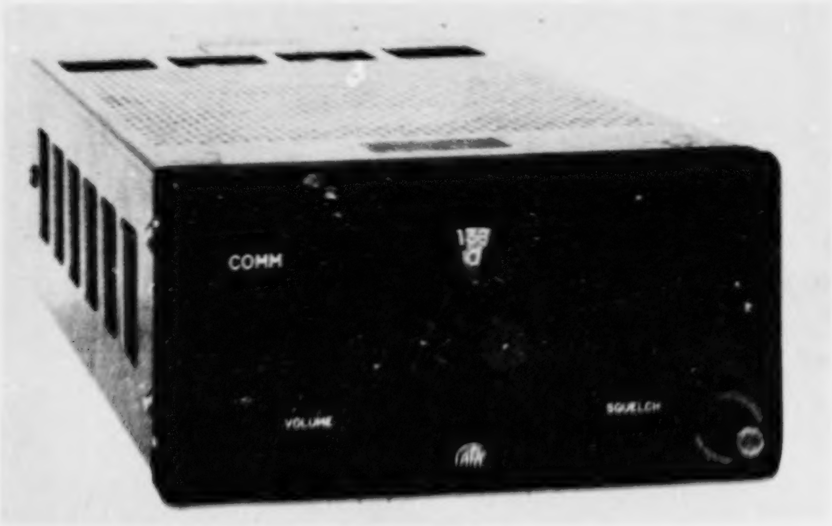


Figure 218. 524A Radio Set

1. **Brief Description:** The Aircraft Radio Corporation Model 524A is a small, compact, VHF, AM airborne receiver-transmitter operating in the frequency range of 118.00 to 139.95 MHz. It employs automatic crystal-controlled tuning utilizing 360 channels spaced 50 kHz apart. This radio set is a panel mounted unit. The transmitter RF output is 15 watts (average). Power input requirement is 27.5 volts DC at 6 amps. The 524A is a commercial item installed in the TH-55A helicopter. The set consists of the following components:

ARC Type A-25A	Antenna or
ARC Type A-29A	Antenna
ARC Type M-514A	Mounting
ARC Type 524A	Receiver Transmitter

2. **Applicable Tools and Test Equipment:** The 524A is not a standard Army item; therefore, tool and test equipment requirements were never defined. Support of this item is the responsibility of the user.

3. **Applicable Publications:** Commercial manuals only.

(Illustration Not Available)

Figure 219.550512 Speed Bias Assembly

1. Brief Description: The 550512 Speed Bias Assembly is used to provide interface between the AN/AJA–5 Synchrophaser and the aircraft propeller control assembly. It changes synchrophaser electric signals into mechanical form to change the propeller pitch and, hence, engine RPM.

2. Applicable Tools and Test Equipment: Refer to data sheet for AN/AJA–5.

3. Applicable Publications:

TM 11–1610–224–24 (Pertains to AN/AJA–5)
TM 11–5895–310–12P (Pertains to AN/AJA–5)
TM 11–5895–310–35P (Pertains to AN/AJA–5)

(Illustration Not Available)

Figure 220. 9000F Gyro

1. Brief Description: The 9000F is a vertical displacement gyro used in the attitude indicating system of the CH–47 aircraft. Refer to data sheet on CN–811( )/ASN covered elsewhere in this publication for additional information.

2. Applicable Tools & Test Equipment. Not applicable.

3. Applicable Publications.

TM 11–1520–209–20 (Pertains to CH–47A/B/C Aircraft)

TM 11–1520–209–20P (Pertains to CH–47A/B/C Aircraft)

TM 11–1520–209–34 (Pertains to CH–47A/B/C Aircraft)

TM 11–1520–209–34P (Pertains to CH–47A/B/C Aircraft)

TM 11–1520–240–20 (Pertains to CH–47D Aircraft)

TM 11–1520–240–20P (Pertains to CH–47D Aircraft)

TM 11–1520–240–30P (Pertains to CH–47D Aircraft)

TM 11–1520–240–34 (Pertains to CH–47D Aircraft)

Section III

TYPICAL AVIONICS CONFIGURATION OF ARMY AIRCRAFT

(Listed by type and model number in alphanumeric sequence.)

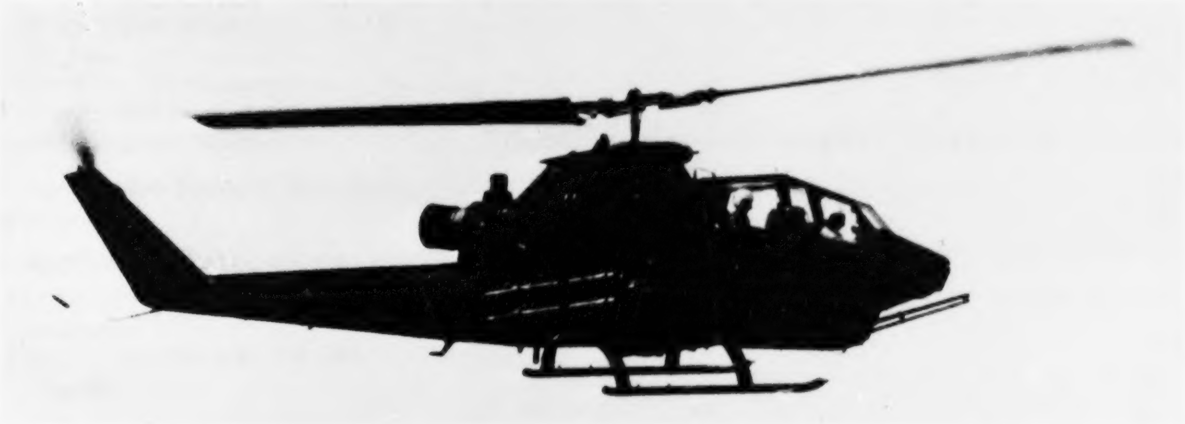


Figure 221. AH-1S COBRA

AVIONICS CONFIGURATION

The following configuration depicts a typically configured AH-1( ). The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	AH-1G	AH-1S (MODIFIED)	AH-1S PROD	AH-1S (ECAS)	AH-1S (MODERNIZED)
INTERCOM						
C-1611( )/AIC	Intercom Control	2	2			
C-6533/ARC	Intercom Control			2	2	2
209-077-204-1	ICS Filter			2	2	2
UHF/AM RADIO						
AN/ARC-51BX consisting of:	Radio Set					
C-6287/ARC-51BX	Control	1	1			
HD-615/ARC-51X	Cooler	1	1			
ID-1003/ARC	SWR Indicator	1	1			
MT-2653/ARC	Mount	1	1			
RT-742( )/ARC	Receiver-Transmitter	1	1			
AT-1108/ARC	VHF/UHF Antenna	[1]1	[1]1			
AN/ARC-116( )	Radio Set			[2]1		
RT-1167/ARC-164(V)	Radio Set			[2]1	1	1
AT-256A/ARC	UHF Antenna			1	1	1
HPF40-01T	UHF Hi Pass Filter			1	1	1
VHF/AM RADIO						
AN/ARC-134 consisting of:	Radio Set					
C-7197/ARC-134	Control	1	1			
MT-3791C/ARC-134	Mount	1	1			
RT-857/ARC-134	Receiver-Transmitter	1	1			
AN/ARC-115( )	Radio Set			[3]1	[3]1	[3]1
RT-1354/ARC-186(V)	Radio Set			[3]1	[3]1	[3]1
AS-3204/ARC	VHF Antenna			1	1	1
AT-1108/ARC	VHF/UHF Antenna	[1]1	[1]1			
BPF40-03P	VHF Band Pass Filter			1	1	1
VHF/FM RADIO						
AN/ARC-54 consisting of:	Radio Set					
C-3835/ARC-54	Control	[4]1	[4]1			
MT-1535/ARC-54	Mount	[4]1	[4]1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	AH-1G	AH-1S (MODIFIED)	AH-1S PROD)	AH-1S (ECAS)	AH-1S (MODERNIZED)
RT-348/ARC-54	Receiver-Transmitter	[4]1	[4]1			
AN/ARC-131 consisting of:	Radio Set					
C-7088/ARC-131	Control	[4]1	[4]1			
MT-3664/ARC-131	Mount	[4]1	[4]1			
RT-823/ARC-131	Receiver-Transmitter	[4]1	[4]1			
AS-2285/ARC	FM Com Antenna	1	1			
209-075-292-1	FM Homing Antenna	1	1			
AN/ARC-114( )	Radio Set			1	1	1
AS-3205/ARC	FM Homing Antenna			1	1	1
209-077-202-3	FM Com Antenna Assy			1	1	1
LPF40-02B	FM Low Pass Filter			1	1	1
SECURE VOICE						
MD-736/A	Signal Discriminator	2	2			
MD-1101/A	Audio Threshold Device			1	1	1
MT-3802/ARC	Mount	1	1	1	1	1
C-8157/ARC	Control-Indicator	[5]1	[5]1	[5]1	[5]1	[5]1
Z-AHP	Remote Control Unit	[5]1	[5]1	[5]1	[5]1	[5]1
Z-AHQ	Interface Adapter	[5]1	[5]1	[5]1	[5]1	[5]1
TSEC/KY-28	Com Security Set	[5]CPO	[5]CPO	[5]CPO	[5]CPO	[5]CPO
TSEC/KY-58	Com Security Set	[5]CPO	[5]CPO	[5]CPO	[5]CPO	[5]CPO
GYRO COMPASS						
AN/ASN-43 consisting of:	Gyro Compass Set					
CN-405/ASN	Compensator	1	1	1	1	1
CN-998( )/ASN-43	Directional Gyro	1	1	1	1	1
T-611/ASN	Compass Transmitter	1	1	1	1	1
C-6347/ASN	Compass Control			1	1	1
ADF						
AN/ARN-83 consisting of:	Direction Finder Set					
AS-1863/ARN-83	Loop Antenna	1	1			
C-6899/ARN-83	Control	1	1			
MT-3605/ARN-83	Mount	1	1			
R-1391/ARN-83	Receiver	1	1			
AN/ARN-89B consisting of:	Direction Finder Set					
AM-4859A/ARN-89	Amplifier			1	1	1
AS-2108A/ARN-89	Loop Antenna			1	1	1
C-7392A/ARN-89	Control			1	1	1
R-1496A/ARN-89	Receiver			1	1	1
209-030-133-7	Sense Antenna	1	1	1	1	1
VOR/MB/GS						
AN/ARN-123(V)3 consisting of:	Receiving Set					
C-10048/ARN-123(V)	Control			1	1	CPO
MT-4980/ARN-123(V)	Mount			1	1	CPO
R-2023/ARN-123(V)	Receiver			1	1	CPO
AS-1304/ARN	VOR Antenna			1	1	CPO
AS-3188/ARN	GS Antenna			1	1	CPO
AT-640( )/ARN	MB Antenna			1	1	CPO
DOPPLER NAVIGATION						
AN/ASN-128 consisting of:	Doppler Navigation Set					
CP-1252/ASN-128	Computer-Display Unit					1
CV-3338/ASN-128	Signal Data Converter					1
RT-1193/ASN-128	Receiver-Transmitter-Antenna					1
RADAR ALTIMETER						
AN/APN-209( )(V)1 consisting of:	Radar Altimeter Set					
AS-2595/APN-194(V)	Antenna			[6]2	2	2
RT-1115( )/APN-209(V)	Receiver-Transmitter-Height Indicator			[6]1	1	1

FUNCTION/TYPE NUMBER	NOMENCLATURE	AH-1G	AH-1S (MODIFIED)	AH-1S PROD)	AH-1S (ECAS)	AH-1S (MODERNIZED)
IDENTIFICATION						
AN/APX-72 consisting of:	Transponder Set					
C-6280A(P)/APX	Control	1	1	1	1	
MT-3809/APX-72	Mount	1	1	1	1	
RT-859( )/APX-72	Transponder	1	1	1	1	
MT-3513/APX	Mount (TS-1843)	1	1	1	1	
TS-1843( )/APX	Test Set	1	1	1	1	
AT-884( )/APX	Antenna (Lower)	1	1	1	1	1
AT-741B/A	Antenna (Upper)					1
C-10533/APX-100	Control					1
MT-4811/APX-100	Mount (RT-1157)					1
RT-1157( )/APX-100	Transponder					1
MT-3949A/U	Mount (KIT-1A)	1	1	1	1	1
KIT-1A/TSEC	IFF Computer	CPO	CPO	CPO	CPO	CPO
RADAR WARNING						
AN/APR-39(V)1 consisting of:	Radar Signal Detecting Set					
AS-2890/APR-39(V)	Blade Antenna			CPO	CPO	CPO
AS-2891/APR-39(V)	Right Spiral Antenna (2 ea)			CPO	CPO	CPO
AS-2892/APR-39(V)	Left Spiral Antenna (2 ea)			CPO	CPO	CPO
C-9326/APR-39(V)	Control			CPO	CPO	CPO
CM-440/APR-39(V)	Comparator			CPO	CPO	CPO
IP-1150/APR-39(V)	Indicator			CPO	CPO	CPO
R-1838/APR-39(V)	Receiver (2 ea)			CPO	CPO	CPO
PROXIMITY WARNING						
YG-1054D1 consisting of:	Proximity Warning System					
10027834-101	Antenna	[7]2	[7]2	[7]2	[7]2	[7]2
JG1054-AA01	Remote Indicator	[7]1	[7]1	[7]1	[7]1	[7]1
HG1001-AD01	Receiver-Transmitter	[7]1	[7]1	[7]1	[7]1	[7]1
STABILIZATION						
209-074-070-3	Control Panel				1	1
209-074-080-103	Sensor Amplifier				1	1
209-074-084-1	Control Panel			1		
209-074-092-1	Armament Compensator				1	1
570-074-010-11	Sensor Amplifier	1	1	1		
570-074-060-1	Control Panel	1	1			
570-074-131-3	Pylon Compensator	1	1	1		
570-074-315-3	Rate Gyro Sensor				1	1
COUNTERMEASURES						
AN/ALQ-136(V)1 consisting of:	Countermeasures Set					
AS-3007/ALQ-136	Antenna (2 ea)					CPO
RT-1149/ALQ-136	Receiver-Transmitter					CPO
AN/ALQ-144(V)3 consisting of:	Countermeasures Set					
C-9576/ALQ-144	Operators Control Unit					CPO
CY-7611/ALQ-144	Transit, Case					CPO
T-1360(V)1/ALQ-144	Transmitter					CPO
LASER TRACKER						
AN/AAS-32 consisting of:	Airborne Laser Tracker Set					
C-9641/AAS-32	Control					CPO
MX-9623/AAS-32	Electronic Components Assy					CPO
R-1960/AAS-32	Receiver-Tracker					CPO
POWER SOURCES						
BB-649( )/A	Battery	1	1	1	1	1
PP-6508/U	Static Inverter	1				
PP-7274( )/A	Static Inverter		1	1	1	1
PU-543( )/A	Inverter	1	1	1		

FUNCTION/TYPE NUMBER	NOMENCLATURE	AH-1G	AH-1S (MODIFIED)	AH-1S (PROD)	AH-1S (ECAS)	AH-1S (MODERNIZED)
MISCELLANEOUS						
AM-3209/ASN	Servoamplifier	1	1			
CN-1314/A	Displacement Gyro	1				
CN-1497/A	Displacement Gyro		1	1	1	1
ID-48/ARN	Course Indicator		1	1		
ID-250( )ARN	Radio Magnetic Indicator	1	1			
ID-998/ASN	Radio Magnetic Indicator	1	1			
ID-2103/A	Horz Situation Indicator			1	1	1
ID-2104/A	Attitude Direction Indicator			1	1	1
ID-2105/A	Radio Magnetic Indicator			1	1[8]	CPO
MC-1	Rate Gyro		1	1		
TRU-2A/A	Rate Gyro			1	1	1
209-077-081-3	HSI Display Control Panel			1	1	
209-077-081-5	HSI Display Control Panel					1

NOTES:

1. The AT-1108 is used with both the UHF/AM and VHF/AM systems.
2. The AN/ARC-116 was installed in lieu of the RT-1167/ARC-164 in a few early FY 76 aircraft.
3. The AN/ARC-115 and R-1354/ARC-186 are interchangeable; therefore, either may be installed but not both.
4. The AN/ARC-54 and AN/ARC-131 are interchangeable; therefore, either may be installed but not both.
5. Either provisions for the KY-28 (including C-8157) or the KY-58 (including Z-AHP and Z-AHQ are installed not both.
6. CPO in FY 76 aircraft.
7. Equipment installed only in aircraft located at Ft. Bragg, Ft. Campbell, Ft. Hood and Ft. Rucker.
8. Equipment may be installed in some aircraft.

GENERAL NOTES: The AH-1S (Modified) configuration pertains to converted AH-1G/Q aircraft. The AH-1S (PROD) configuration pertains to new production aircraft FY 76 thru 77-22762. The AH-1S (ECAS) configuration pertains to new production aircraft 77-22763 thru 78-23092. The AH-1S (Modernized) configuration pertains to new production aircraft 78-23093 and subsequent, as well as any aircraft, regardless of serial number, that has been fully modernized.

Applicable Aircraft Avionics Manuals:

TM 11-1520-221-20 (Pertains to AH-1G and S Modified)
TM 11-1520-221-20P (Pertains to AH-1G and S Modified)
TM 11-1520-221-34 (Pertains to AH-1G and S Modified)
TM 11-1520-221-34P (Pertains to AH-1G and S Modified)
TM 11-1520-236-20 (Pertains to AH-1S PROD, ECAS and Modernized)
TM 11-1520-236-20P (Pertains to AH-1S PROD, ECAS and Modernized)
TM 11-1520-236-24P-1 (Pertains to AH-1S PROD, ECAS and Modernized)
TM 11-1520-236-34 (Pertains to AH-1S PROD, ECAS and Modernized)
TM 11-1520-236-34P (Pertains to AH-1S PROD, ECAS and Modernized)
TM 11-1520-239-20P (Pertains to AH-1S Modernized)
TM 11-1520-239-34P (Pertains to AH-1S Modernized)

Figure 222. AH–64A APACHE
AVIONICS CONFIGURATION

The following configuration depicts a typically configured AH–64A. The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	AH–64A				
INTERCOM						
C–10414(V)3/ARC	Intercom Control	2				
UHF/AM RADIO						
RT–1167C/ARC–164	Radio Set	1				
7–313200030	Lower IFF/UHF Antenna	1[1]				
VHF AM/FM RADIO						
RT–1354/ARC–186	Radio Set	2				
AM–7189/ARC	IFM Amplifier	1				
7–311122630	AM/FM #1 Antenna	1				
7–313200031	AM/FM #2 Antenna	1				
SECURE VOICE						
MT–3802/ARC	Mount (KY–58)	3				
TSEC/KY–58	Comm Security Set (3ea)	CPO				
Z-AHP	Control (3ea)	CPO				
AHRS						
AN/ASN–143	Attitude Heading Ref Sys	1				
ADF						
AN/ARN–89B consisting of:	Direction Finder Set					
AM–4859A/ARN–89	Amplifier	1				
AS–2108A/ARN–89	Loop Antenna	1				
C–7392A/ARN–89	Control	1				
R–1496A/ARN–89	Receiver	1				
7–311G00014	Sense Antenna	1				
DOPPLER NAV						
AN/ASN–128 consisting of:	Doppler Navigation Set					
CP–1252/ASN–128	Computer Display Unit	1				
CV–3338/ASN–128	Signal Data Converter	1				
RT–1193/ASN–128	Receiver-Transmitter Antenna	1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	AH–64A				
RADAR ALTIMETER						
AN/APN–209B(V)4	Radar Altimeter					
AS–2595/APN–194	Antenna	1				
ID–1917A/APN–209	Height Indicator	1				
RT–1411/APN–209	Receiver-Transmitter	1				
IDENTIFICATION						
RT–1296A/APX–100	Transponder	1				
MT–3949A/U	Mount (KIT–1A)	1				
KIT–1A/TSEC	IFF Computer	CPO				
AT–741( )/A	Upper IFF Antenna	1				
7–313200030	Lower IFF/UHF Antenna	[1]1				
RADAR WARNING						
AN/APR–39(V)1 consisting of:	Radar Signal Detecting Set					
AS–2890/APR–39(V)	Blade Antenna	CPO				
AS–2891/APR–39(V)	Spiral Antenna (RH) (2ea)	CPO				
AS–2892/APR–39(V)	Spiral Antenna (LH) (2ea)	CPO				
C–9326/APR–39(V)	Control	CPO				
CM–440/APR–39(V)	Comparator	CPO				
IP–1150/APR–39(V)	Indicator	CPO				
R–1838/APR–39(V)	Receiver (2ea)	CPO				
LASER DETECTION						
AN/AVR–2 consisting of:	Laser Detection Set					
CM–493/AVR–2	Interface Comparator	SWP				
SU–130/AVR–2	Sensor (2ea)	SWP				
COUNTERMEASURES						
AN/ALQ–136(V)1 consisting of:	Countermeasures Set					
AS–3007/ALQ–136	Antenna (2ea)	CPO				
RT–1149/ALQ–136	Receiver-Transmitter	CPO				
AN/ALQ–144(V)3 consisting of:	Countermeasures Set					
C–9576/ALQ–144	Operator Control Unit	CPO				
CY–7611/ALQ–144	Transit Case	CPO				
T–1360(V)1/ALQ–144	Transmitter	CPO				
NIGHT VISION						
AN/AAQ–11	Pilot Night Vision System	1				
TARGET ACQUISITION						
AN/ASQ–170	Target Acq. Designation Set	1				
POWER SOURCES						
7–311B11116	Battery Charger	1				
7–311B11117	Battery	1				
MISCELLANEOUS						
7–211C10012	HSI	1				
7–214200027	RMI	1				
7–214200028	Remote Att. Gyro Ind	1				

[1] Used as the UHF AM and IFF Upper Antenna.

Applicable Aircraft Avionics Manuals:

TM 11–1520–238–23–1
TM 11–1520–238–23–2
TM 11–1520–238–23P

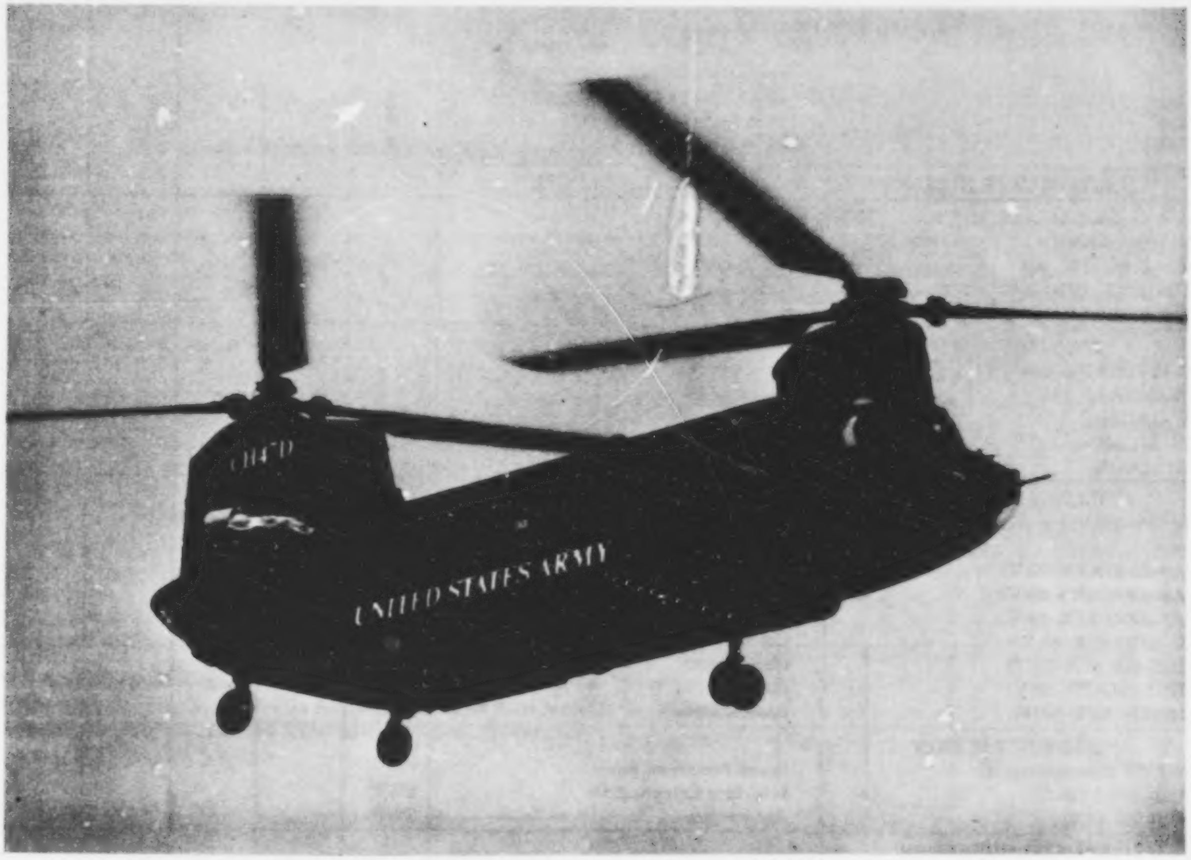


Figure 223. CH–47D CHINOOK

AVIONICS CONFIGURATION

The following configuration depicts a typically configured CH–47( ). The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH–47A	CH–47B	CH–47C	CH–47D	
INTERCOM						
C–1611( )/AIC	**Intercom Control**	6	6	6		
C–6533/ARC	**Intercom Control**				6	
114E3058–( )	**Interphone Junction Box**	1				
114E3060–( )	**Interphone Junction Box**		1	1		
145E3118–( )	**Interphone Junction Box**				2	
UHF/AM RADIO						
AN/ARC–51BX consisting of:	**Radio Set**					
C–6287/ARC–51BX	**Control**	[1]1	[1]1	[2]1		
HD–615/ARC–51X	**Cooler**	[1]1	[1]1	[2]1		
ID–1003/ARC	**SWR Indicator**	[1]1	[1]1	[2]1		

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH-47A	CH-47B	CH-47C	CH-47D	
MT-2653/ARC	Mount	[1]1	[1]1	[2]1		
RT-742( )/ARC	Receiver-Transmitter	[1]1	[1]1	[2]1		
RT-1167/ARC-164(V)	Radio Set			[2]1	1	
AT-1108/ARC	VHF/UHF Antenna	[3]1	[3]1	[3]1		
AT-256( )/ARC	UHF Antenna				1	
HPF40-01T	UHF Hi Pass Filter				1	
VHF/AM RADIO						
AN/ARC-73A consisting of:	Radio Set					
C-4074/ARC-73	Control	[1]1	[1]1			
MT-2699/ARC-73	Mount	[1]1	[1]1			
R-1123/ARC-73	Receiver	[1]1	[1]1			
T-879/ARC-73	Transmitter	[1]1	[1]1			
T-366/ARC	Transmitter	1	1			
C-4209/ARC	Control	1	1			
MT-1142/ARC	Mount (T-366)	1	1			
PP-2792/ARN-30	Power Supply	1	1			
AN/ARC-134( ) consisting of:	Radio Set					
C-7197/ARC-134	Control			1		
MT-3791( )/ARC-134	Mount			1		
RT-857/ARC-134	Receiver-Transmitter			1		
RT-1354/ARC-186(V)	Radio Set				[15]1	
AT-1108/ARC	VHF/UHF Antenna	[3]1	[3]1	[3]1		
S65-8282-30	VHF/AM-FM Antenna				1	
BPF40-03P	VHF Band Pass Filter				1	
VHF/FM RADIO						
AN/ARC-54 consisting of:	Radio Set					
C-3835/ARC-54	Control	[4]1	[4]1	[4]1		
MT-1535/ARC-54	Mount	[4]1	[4]1	[4]1		
RT-348/ARC-54	Receiver-Transmitter	[4]1	[4]1	[4]1		
AN/ARC-131 consisting of:	Radio Set					
C-7088/ARC-131	Control	[4]1	[4]1	[4]1		
MT-3664/ARC-131	Mount	[4]1	[4]1	[4]1		
RT-823/ARC-131	Receiver-Transmitter	[4]1	[4]1	[4]1		
RT-1354/ARC-186(V)	Radio Set				[15]1	
CM-492/ARC-186(V)	FM Homing Unit				1	
AS-1703/AR	FM Comm Antenna	1	1	1		
CU-942( )/ARC	FM Antenna Coupler	1	1	1		
AS-1922/ARC	FM Homing Antenna	1	1	1	1	
S65-8282-30	VHF/AM-FM Antenna				1	
LPF40-02B	FM Low Pass Filter				1	
AN/ARC-102 consisting of:	Radio Set					
C-3940/ARC-94	Control	CPO	CPO	CPO	CPO	
RT-698/ARC-102	Receiver-Transmitter	CPO	CPO	CPO	CPO	
MT-2641/ARC	Mount (RT-698)	1	1	1	1	
CU-991/AR	HF Antenna Coupler	CPO	CPO	[5]CPO		
CU-1658( )/A	HF Antenna Coupler			[5]CPO	CPO	
MT-1719/AR	Mount (CU-991)	CPO	CPO	[5]CPO		
MT-3772A/A	Mount (CU-1658)			[5]CPO	CPO	
114E3094-( )	HF Antenna	CPO	CPO	CPO	1	

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH-47A	CH-47B	CH-47C	CH-47D
SECURE VOICE					
MD-736/A	Signal Discriminator	3	3	3	
MD-1047/A	Audio Threshold Device				1
MT-3802/ARC	Mount	1	1	1	1
C-8157/ARC	Control-Indicator	[6]1	[6]1	[6]1	[6]1
Z-AHP	Remote Control Unit	[6]1	[6]1	[6]1	[6]1
Z-AHQ	Interface Adapter	[6]1	[6]1	[6]1	[6]1
TSEC/KY-28	Comm Security Set	[6]CPO	[6]CPO	[6]CPO	[6]CPO
TSEC/KY-58	Comm Security Set	[6]CPO	[6]CPO	[6]CPO	[6]CPO
GYRO COMPASS					
J-2 consisting of:	Gyro Compass Set				
A-2	Amplifier	[7]1			
CN-405/ASN	Compensator	[7]1			
S-3( )	Gyro Control	[7]1			
T-611/ASN	Compass Transmitter	[7]1			
AN/ASN-43 consisting of:	Gyro Compass Set				
CN-405/ASN	Compensator	[7]1	1	1	1
CN-998( )/ASN	Directional Gyro	[7]1	1	1	1
T-611/ASN	Compass Transmitter	[7]1	1	1	1
C-8021A/ASN-75	Compass Control				1
ADF					
AN/ARN-59 consisting of:	Direction Finder Set				
AT-780/ARN	Loop Antenna	[8]1			
C-2275/ARN	Control	[8]1			
DY-150/ARN	Dynamotor	[8]1			
ID-637/ARN	Azimuth Indicator	[8]1			
MT-2018/ARN	Mount (R-836)	[8]1			
MT-2019/ARN	Mount (DY-150)	[8]1			
R-836/ARN	Receiver	[8]1			
AS-1870/ARN	ADF Sense Antenna	[8]1			
AN/ARN-83 consisting of:	Direction Finder Set				
AS-1863/ARN-83	Loop Antenna	[8]1	1	1	
C-6899/ARN-83	Control	[8]1	1	1	
MT-3605/ARN-83	Mount	[8]1	1	1	
R-1391/ARN-83	Receiver	[8]1	1	1	
AS-1869/ARN	ADF Sense Antenna	[8]1	1	1	1
AN/ARN-89B consisting of:	Direction Finder Set				
AM-4859A/ARN-89	Amplifier				1
AS-2108A/ARN-89	Loop Antenna				1
C-7392A/ARN-89	Control				1
R-1496A/ARN-89	Receiver				1
VOR/MB/GS					
AN/ARN-30E consisting of:	Receiving Set (VOR)				
AS-580A/ARN-30	Antenna	[9]1			
C-3436A/ARN-30E	Control	[9]1			
CV-265A/ARN-30A	Converting	[9]1			
ID-453/ARN-30	Course Indicator	[9]1			
MT-1174/ARN-30A	Mount (R-1021)	[9]1			
MT-1175/ARN-30A	Mount (CV-265)	[9]1			
PP-2792/ARN-30D	Power Supply	[9]1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH–47A	CH–47B	CH–47C	CH–47D
R–1021/ARN–30D	Receiver	[9]1			
CV–1275/ARN	Converter	[9]1			
MT–2659/ARN	Mount (CV–1275)	[9]1			
AN/ARN–82A consisting of:	Receiving Set (VOR)				
C–6873( )/ARN–82	Control	[9]1	1	1	
ID–1347( )/ARN–82	Course Indicator	[9]1	1	1	
MT–3600/ARN–82	Mount	[9]1	1	1	
R–1388A/ARN–82	Receiver	[9]1	1	1	
AS–1304/ARN	VOR Antenna	[9]1	1	[10]1	
137X–1	VOR Antenna			[10]1	1
R–1041( )/ARN	Radio Receiver (MB)	CPO	CPO	CPO	
MT–2292/ARN	Mount (R–1041)	CPO	CPO	CPO	
AT–640( )/ARN	MB Antenna	1	1	1	1
AN/ARN–123(V)1 consisting of:	Receiving Set (VOR/MB/GS)				
C–10048/ARN–123(V)	Control				1
MT–4834/ARN–123(V)	Mount				1
R–2023/ARN–123(V)	Receiver				1
AT–326/ARN	GS Antenna				1
DOPPLER NAVIGATION					
AN/ASN–128 consisting of:	Doppler Navigation Set				
CP–1252/ASN–128	Computer-Display Unit				1
CV–3338/ASN–128	Signal Data Converter				1
RT–1193/ASN–128	Receiver-Transmitter-Antenna				1
RADAR ALTIMETER					
AN/APN–209(B)(V)2 consisting of:	Radar Altimeter Set				
AS–2595/APN–194(V)	Antenna			[11]2	2
ID–1917A/APN–209(V)	Height Indicator			[11]1	1
RT–1115(B)/APN–209(V)	Receiver-Transmitter-Height Indicator			[11]1	1
IDENTIFICATION					
AN/APX–72 consisting of:	Transponder Set				
C–6280A(P)/APX	Control	1	1	1	
MT–3809/APX–72	Mount	1	1	1	
RT–859( )/APX–72	Transponder	1	1	1	
TS–1843( )/APX	Test Set	1	1	1	
MT–3513/APX	Mount (TS–1843)	1	1	1	
AT–884( )/APX	Antenna	1	1	1	1
AT–740/A	Antenna				1
RT–1285( )/APX–100	Transponder				1
MT–3949A/U	Mount (KIT–1A)	1	1	1	1
KIT–1A/TSEC	IFF Computer	CPO	CPO	CPO	CPO
ATTITUDE INDICATING					
CN–811( )/ASN or 9000F or SBU–6	Displacement Gyro	[12]2	[12]2	[12]2	[12]2
RADAR WARNING					
AN/APR–39(V)1 consisting of:	Radar Signal Detecting Set				
AS–2890/APR–39(V)	Blade Antenna			[11]CPO	CPO
AS–2891/APR–39(V)	Right Spiral Antenna (2 ea)			[11]CPO	CPO
AS–2892/APR–39(V)	Left Spiral Antenna (2 ea)			[11]CPO	CPO
C–9326/APR–39(V)	Control			[11]CPO	CPO
CM–440/APR–39(V)	Comparator			[11]CPO	CPO
IP–1150/APR–39(V)	Indicator			[11]CPO	CPO
R–1838/APR–39(V)	Receiver (2 ea)			[11]CPO	CPO

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH–47A	CH–47B	CH–47C	CH–47D	
PROXIMITY WARNING						
YG–1054D1 consisting of:	Proximity Warning System					
10040489–101A	Antenna		[13]3	[13]3		
HG1001–AD01	Receiver Transmitter		[13]1	[13]1		
STABILIZATION						
114E2186–( )	Speed Trim Amplifier	1	1	1	Note 14	
114E3030–( )	SAS Amplifier	2	2	2	Note 14	
COUNTERMEASURES						
AN/ALQ–156(V) consisting of:						
AS–3149/ALQ–156(V)	Antenna (2 ea)			[11]CPO	CPO	
C–10131/ALQ–156(V)	Control-Indicator			[11]CPO	CPO	
RT–1220/ALQ–156(V)	Receiver-Transmitter			[11]CPO	CPO	
POWER SOURCE						
BB–432/A	Battery	1	1	1		
BB–432B/A	Battery				1	
PP–7798/A	Battery Charger				1	
MISCELLANEOUS						
AM–3209/ASN	Servoamplifier	1	1	1		
ID–250( )/ARN	Radio Magnetic Indicator	1	1	1		
ID–998/ASN	Radio Magnetic Indicator	1	1	1		
ID–2103/A	Horizontal Situation Indicator				2	
PP–7618/A	Power Supply(5v)			2[11]		

NOTES:

1. Provisions to the AN/ARC–51 and AN/ARC–73 are superimposed; therefore, either radio system may be installed but not both.
2. The RT–1167 is a proposed retrofit replacement for the AN/ARC–51.
3. The AT–1108 is used with both the UHF/AM and VHF–AM systems.
4. The AN/ARC–54 and AN/ARC–131 are interchangeable; therefore, either may be installed but not both.
5. Provisions for the CU–991/MT–1719 were replaced by provisions for the CU–1658/MT–3772 beginning with 68–15858.
6. The Z–AHP, Z–AHQ and TSEC/KY–58 comprises the Vinson Airborne Comsec System which replaces the TSEC/KY–28 and C–8157/ARC Nestor Equipment. These components are authorized by TO&E.
7. The J–2 system was replaced by the AN/ASN–43 beginning with FY 65 aircraft. The CN–405 and T–611 are common to both.
8. The AN/ARN–59 system (including the AS–1870) was replaced by the AN/ARN–83 (including the AS–1869) beginning with 66–087.
9. The AN/ARN–30 system, (including the CV–1275) was replaced by the AN/ARN–82 (including the AS–1304) beginning with 66–087.
10. The 137X–1 is a retrofit replacement for the AS–1304 on aircraft equipped with fiber glass rotor blades.
11. Retrofit installation.
12. The CN–811B, CN–811C and 9000F gyros can be used on all models of the CH–47 aircraft. However, the CN–811 plain, CN–811A and the SBU–6 can only be used on the CH–47A, B, and C. Refer to data sheet on the CN–811( ) for differences.
13. Equipment installed only in aircraft located at Ft. Bragg, Ft. Campbell, Ft. Hood and Ft. Rucker.
14. The stabilization system in the CH–47D is the logistic responsibility of AVSCOM. Refer to TM 55–1520–240 series.
15. The RT–1354 can be used in either the VHF/AM or VHF/FM mode.

Applicable Aircraft Avionics Manuals:

TM 11–1520–209–20 (Pertains to CH–47A/B/C)
TM 11–1520–209–20P (Pertains to CH–47A/B/C)
TM 11–1520–209–34 (Pertains to CH–47A/B/C)
TM 11–1520–209–34P (Pertains to CH–47A/B/C)
TM 11–1520–240–20 (Pertains to CH–47D)
TM 11–1520–240–20P (Pertains to CH–47D)
TM 11–1520–240–30P (Pertains to CH–47D)
TM 11–1520–240–34 (Pertains to CH–47D)

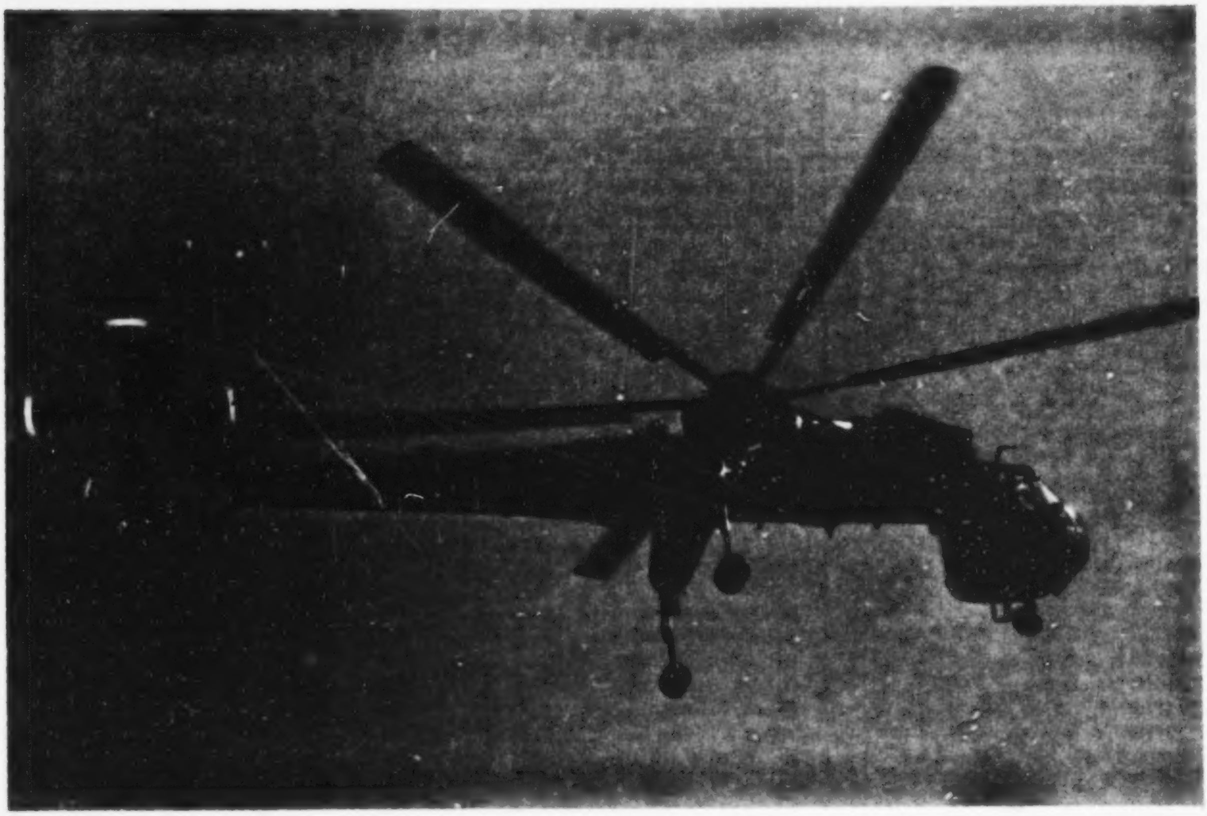


Figure 224. CH-54B TARHE

AVIONICS CONFIGURATION

The following configuration depicts a typically configured CH-54( ). The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH-54A	CH-54B			
INTERCOM						
C-1611( )/AIC	Intercom Control	5	5			
6490-60240-013	Interphone Junction Box	1	1			
UHF/AM RADIO						
AN/ARC-51BX consisting of:	Radio Set					
C-6287/ARC-51BX	Control	1	1			
HD-615/ARC-51X	Cooler	1	1			
ID-1003/ARC	SWR Indicator	1	1			
MT-2653/ARC	Mount	1	1			
RT-742( )/ARC	Receiver-Transmitter	1	1			
AT-1108/ARC	VHF/UHF Antenna	[1]1	[1]1			
VHF/AM RADIO						
AN/ARC-134 ( ) consisting of:	Radio Set					
C-7197/ARC-134	Control	1	1			
MT-3791( )/ARC-134	Mount	1	1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH-54A	CH-54A			
RT-857/ARC-134	Receiver-Transmitter	1	1			
AT-1108/ARC	UHF/VHF Antenna	[1]1	[1]1			
VHF/FM RADIO						
AN/ARC-54 consisting of:	Radio Set					
C-3835/ARC-54	Control	[2]1	[2]1			
MT-1535/ARC-54	Mount	[2]1	[2]1			
RT-348/ARC-54	Receiver-Transmitter	[2]1	[2]1			
AN/ARC-131 consisting of:	Radio Set					
C-7088/ARC-131	Control	[2]1	[2]1			
MT-3664/ARC-131	Mount	[2]1	[2]1			
RT-823/ARC-131	Receiver-Transmitter	[2]1	[2]1			
AS-1703/AR	FM Com Antenna	1	1			
CU-942( )/ARC	FM Antenna Coupler	1	1			
AS-1922/ARC	FM Homing Antenna	1	1			
HF RADIO						
AN/ARC-102 consisting of:	Radio Set					
C-3940/ARC-94	Control	CPO	CPO			
PP-3702/ARC-102	Inverter-Mounting	CPO	CPO			
RT-698/ARC-102	Receiver-Transmitter	CPO	CPO			
CU-991/AR	HF Antenna Coupler	[3]CPO				
CU-1658( )/A	HF Antenna Coupler	[3]CPO	CPO			
MT-1719/AR	Mount (CU-991)	[3]CPO				
MT-3772A/A	Mount (CU-1658)	[3]CPO	CPO			
6460-65001-011	HF Antenna	CPO	CPO			
SECURE VOICE						
MD-736/A	Signal Discriminator	3	3			
MT-3802/ARC	Mount	1	1			
C-8157/ARC	Control-Indicator	1	1			
TSEC/KY-28	Com Security Set	CPO	CPO			
GYRO COMPASS						
AN/ASN-43 consisting of:	Gyro Compass Set					
CN-405/ASN	Compensator	1	1			
CN-998( )/ASN	Directional Gyro	1	1			
T-611/ASN	Compass Transmitter	1	1			
ADF						
AN/ARN-83 consisting of:	Direction Finder Set					
AS-1863/ARN-83	Loop Antenna	1	1			
C-6899/ARN-83	Control	1	1			
MT-3605/ARN-83	Mount	1	1			
R-1391/ARN-83	Receiver	1	1			
6460-65010-041	ADF Sense Antenna	1	1			
VOR						
AN/ARN-82 consisting of:	Receiving Set					
C-6873B/ARN-82	Control	1	1			
ID-1347C/ARN-82	Course Indicator	1	1			
MT-3600/ARN-82	Mount	1	1			
R-1388( )/ARN-82	Receiver	1	1			
AS-1304/ARN	VOR Antenna	1	1			
MB/GS						
R-1963/ARN	Radio Receiver	[4]1	[4]1			
MT-4835/ARN	Mount (R-1963)	[4]1	[4]1			
AT-326/ARN	GS Antenna	[4]1	[4]1			
AT-640( )/ARN	MB Antenna	[4]1	[4]1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH-54A	CH-54B			
IDENTIFICATION						
AN/APX-72 consisting of:	Transponder Set					
C-6280A(P)/APX	Control	1	1			
MT-3809/APX-72	Mount	1	1			
RT-859( )/APX-72	Transponder	1	1			
MT-3513/APX	Mount (TS-1843)	1	1			
TS-1843( )/APX	Test Set	1	1			
AT-884( )/APX	Antenna	1	1			
MT-3949A/U	Mount (KIT-1A)	1	1			
KIT-1A/TSEC	IFF Computer	CPO	CPO			
VOICE WARNING						
AN/ASH-19 consisting of:	Voice Warning Set					
MT-3290/ASH-19	Mount		1			
RP-139/ASH-19	Reproducer		1			
TW-333/ASH-19	Message Tapes		2			
AN/ASH-23 consisting of:	Sound Recorder Set					
C-8203/ASH-23	Controller		1			
MA-27/ASH-23	Magazine		1			
CV-2809/ASH-19	Signal Adapter		1			
ATTITUDE/INDICATING						
CN-1179/ASW	Displacement Gyro	[a]1				
C-7269/ASW	Control-Monitor	[a]1				
CN-1314/A	Displacement Gyro	[a]2	2			
PERFORMANCE INDICATING						
6490-60500-041	Cruise Guide Amplifier		1			
S1545-65273-1	Performance Indicator		1			
STABILIZATION						
AN/ASW-29 consisting of:	Automatic Flight Control System					
AM-3782/ASW-23	Filter Amplifier	1				
AM-4808/ASW-29	Control Amplifier	1				
C-7263/ASW-29	Follow-Up Control	1				
C-7264/ASW-29	Servo Control	1				
C-7265/ASN-29	Follow-Up Control	1				
C-7266/ASW-29	Altitude Control	1	[a]1			
HD-769/ASW-29	Dehydrator Unit	1	[a]1			
ID-1464/ASW-29	Stabilization Indicator	1				
SN-409/ASW-29	Transmitter Synchro	2				
SN-410/ASW-29	Transmitter Synchro	1	[a]1			
C-7267/ASW	Hydraulic Servovalve	1				
C-7268/ASW	Hydraulic Servovalve	1				
AM-6279/ASW	Control Amplifier		1			
AM-6280/ASW	Control Amplifier		1			
C-8476/ASW	Follow-Up Control		1			
C-8477/ASW	Monitor Control		1			
C-8478/ASW	Engaging Control		1			
CN-1325/ASW	Rate Gyro		4			
ID-1720/ASW	Stabilization Indicator		1			
MX-8611/ASW	Accelerometer		2			
SN-441/ASW	Transmitter Synchro		2			
SN-442/ASW	Synchronizer		2			
POWER SOURCE						
BB-434( )/A	Battery	1	1			
PU-543( )/A	Inverter	1	1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	CH-54A	CH-54B			
MISCELLANEOUS						
AM-3209/ASN	Servoamplifier	1	1			
ID-250( )/ARN	Radio Magnetic Indicator	1	1			
ID-998/ASN	Radio Magnetic Indicator	1	1			

NOTES:

1. The AT-1108 is used with both the UHF/AM and VHF/AM systems.
2. The AN/ARC-54 and AN/ARC-131 are interchangeable; therefore, either may be installed but not both.
3. Provisions for the CU-991 and MT-1719 were replaced by provisions for the CU-1658 and MT-3772 beginning with FY 67 aircraft.
4. Proposed retrofit installation.
5. The CN-1179 and C-7269 are installed in some aircraft in lieu of CN-1314.
6. These components of the AN/ASW-29 are also components of the CH-54B AFCS which has no system designation.

Applicable Aircraft Avionics Manuals:

TM 11-1520-217-20 (Pertains to CH-54A)
TM 11-1520-217-20-2 (Pertains to CH-54B)
TM 11-1520-217-20P (Pertains to CH-54A)
TM 11-1520-217-20P-2 (Pertains to CH-54B)
TM 11-1520-217-34P (Pertains to CH-54A)
TM 11-1520-217-34P-2 (Pertains to CH-54B)
TM 11-1520-217-35 (Pertains to CH-54A)
TM 11-1520-217-35-2 (Pertains to CH-54B)

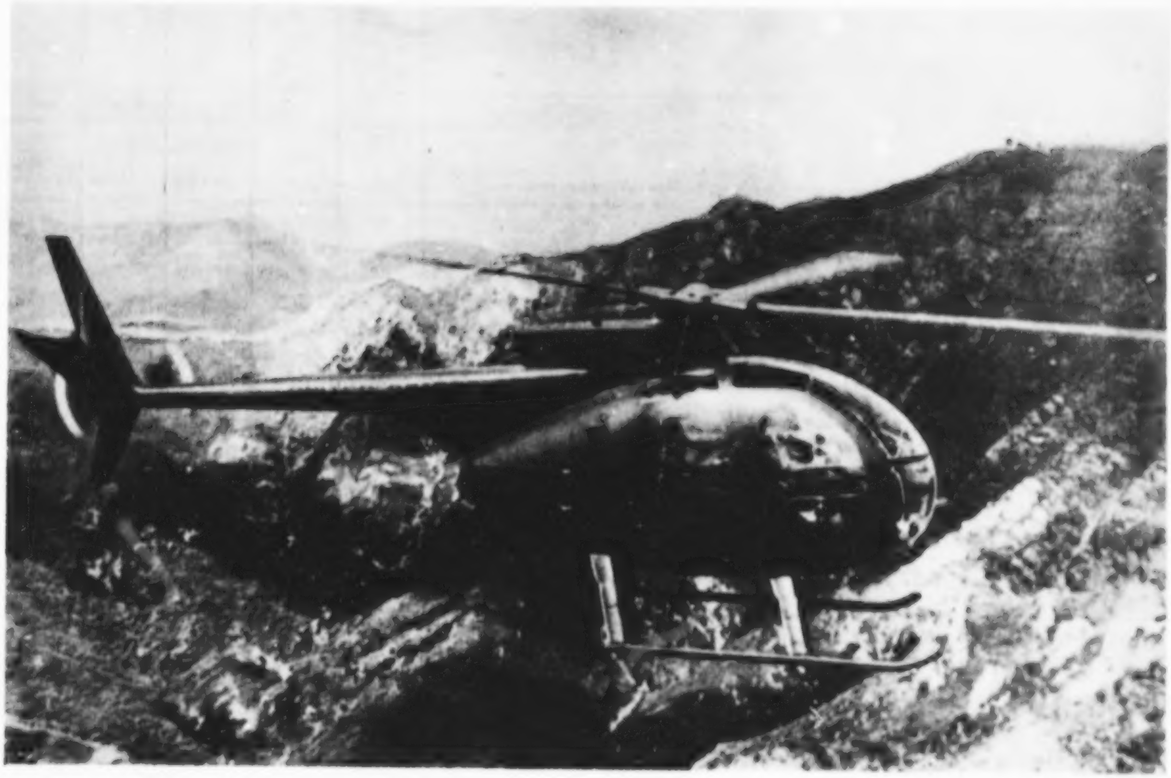


Figure 225. OH-6A CAYUSE

AVIONICS CONFIGURATION

The following configuration depicts a typically configured OH-6A. The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	OH-6A (FY 65-67, SER I, II)	OH-6A (FY 68-69, SER III)			
INTERCOM						
C-1611( )/AIC	Intercom Control	3				
C-6533/ARC	Intercom Control		3			
UHF/AM RADIO						
AN/ARC-51BX consisting of:	Radio Set					
C-6287/ARC-51BX	Control	[4]1	[1]1			
HD-615/ARC-51X	Cooler	[4]1	[1]1			
ID-1003/ARC	SWR Indicator	[4]1	[1]1			
MT-2653/ARC	Mount	[4]1	[1]1			
RT-742( )/ARC	Receiver-Transmitter	[4]1	[1]1			
AN/ARC-116( )	Radio Set		1, 2, 3			
RT-1167/ARC-164	Radio Set		[3]1			
VHF/AM RADIO						
AN/ARC-111 consisting of:	Radio Set					
AM-4489/ARC-111	Amplifier-Power Supply	[4]CPO				
MT-3592/ARC-111	Mount	[4]CPO				

FUNCTION/TYPE NUMBER	NOMENCLATURE	OH-6A (FY65-67, SER I, II)	OH-6A (FY 68-69, SER III)			
RT-802/ARC-111	Receiver-Transmitter	[4]CPO				
AN/ARC-115( )	Radio Set		[2,5]1			
RT-1354/ARC-186	Radio Set		[5]1			
VHF/FM RADIO						
AN/ARC-54 consisting of:	Radio Set					
C-3835/ARC-54	Control	[6]1				
MT-1535/ARC-54	Control	[6]1				
RT-348/ARC-54	Receiver-Transmitter	[6]1				
AN/ARC-131 consisting of:	Radio Set					
C-7088/ARC-131	Mount	[6]1				
MT-3664/ARC-131	Mount	[6]1				
RT-832/ARC-131	Receiver-Transmitter	[6]1				
AN/ARC-114( )	Radio Set (#1 FM)		[2]1			
AN/ARC-114( )	Radio Set (#2 FM)		[2]CPO			
CU-1759/ARC	FM Antenna Coupler	1				
CU-1794/ARC	#1 FM Homing Transformer		2			
CU-1796/ARC	#1 FM Homing Network		1			
CU-1893/ARC	#1 FM Antenna Coupler		1			
AS-1703/AR	#2 FM Com Antenna		1			
CU-1894/ARC	#2 FM Antenna Coupler		1			
SECURE VOICE						
C-8157/ARC	Control-Indicator		1			
369A6471	Mount (KY-28)		1			
TSEC/KY-28	Com Security Set		CPO			
GYRO COMPASS						
AN/ASN-43 consisting of:	Gyro Compass Set					
CN-405/ASN	Compensator	1	1			
CN-998( )/ASN	Directional Gyro	1	1			
T-611/ASN	Compass Transmitter	1	1			
ADF						
AN/ARN-83 consisting of:	Direction Finder Set					
AS-1863/ARN-83	Loop Antenna	1				
C-6899/ARN-83	Control	1				
MT-3605/ARN-83	Mount	1				
R-1391/ARN-83	Receiver	1				
AN/ARN-89( ) consisting of:	Direction Finder Set					
AM-4859( )/ARN-89	Amplifier		1			
AS-2108( )/ARN-89	Loop Antenna		1			
C-7392( )/ARN-89	Control		1			
R-1496( )/ARN-89	Receiver		1			
IDENTIFICATION						
AN/APX-72 consisting of:	Transponder Set					
C-6280A(P)/APX	Control	[7]1	1			
MT-3809/APX-72	Mount	[7]1	1			
RT-859( )/APX-72	Transponder	[7]1	1			
MT-3513/APX	Mount (TS-1843)	[7]1	1			
TS-1843( )/APX	Test Set	[7]1	1			
AT-884( )/APX	Antenna	[7]1	1			
369A6472	Mount (KIT-1A)		1			
MT-3949A/U	Mount (KIT-1A)	[7]1				
KIT-1A/TSEC	IFF Computer	[7]CPO	CPO			
POWER SOURCES						
BB-641/A	Battery	1				
BB-678/A	Battery		1			
PP-6674/A	Static Inverter		1			
369A4554	Static Inverter	1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	OH–6A (FY 65–67 SER I, II)	OH–6A (FY 68–69, SER III)			
MISCELLANEOUS						
ID–1351/A	HRB Indicator	1	1			

NOTES:

1. The AN/ARC–51 was temporarily installed in lieu of the AN/ARC–116 in some aircraft.
2. Wiring provisions exist for 2 each AN/ARC–114, 1 each AN/ARC–115 and 1 each AN/ARC–116. However the maximum number of sets that can be installed at any given time is limited to 3 each; i.e., 1 each AN/ARC–114, 115 or 116 or 2 each AN/ARC–114 and 1 each AN/ARC–115 or 2 each AN/ARC–114 and 1 each AN/ARC–116.
3. The AN/ARC–116 and RT–1167 are interchangeable; therefore, either may be installed but not both.
4. Provisions for the AN/ARC–51 and AN/ARC–111 are superimposed; therefore, either system may be installed but not both.
5. The AN/ARC–115 and RT–1354 are interchangeable; therefore, either may be installed but not both.
6. The AN/ARC–54 and AN/ARC–131 are interchangeable; therefore, either may be installed but not both.
7. Retrofit installation.

Applicable Aircraft Manuals:

TM 11–1520–214–20 (Pertains to OH–6A FY 65–67)
TM 11–1520–214–20–1 (Pertains to OH–6A FY 68–69)
TM 11–1520–214–20P (Pertains to OH–6A FY 65–69)
TM 11–1520–214–20P–1 (Pertains to OH–6A FY 68–69)
TM 11–1520–214–34 (Pertains to OH–6A FY 65–67)
TM 11–1520–214–34–1 (Pertains to OH–6A FY 68–69)
TM 11–1520–214–34P (Pertains to OH–6A FY 65–67)
TM 11–1520–214–34P–1 (Pertains to OH–6A FY 68–69)

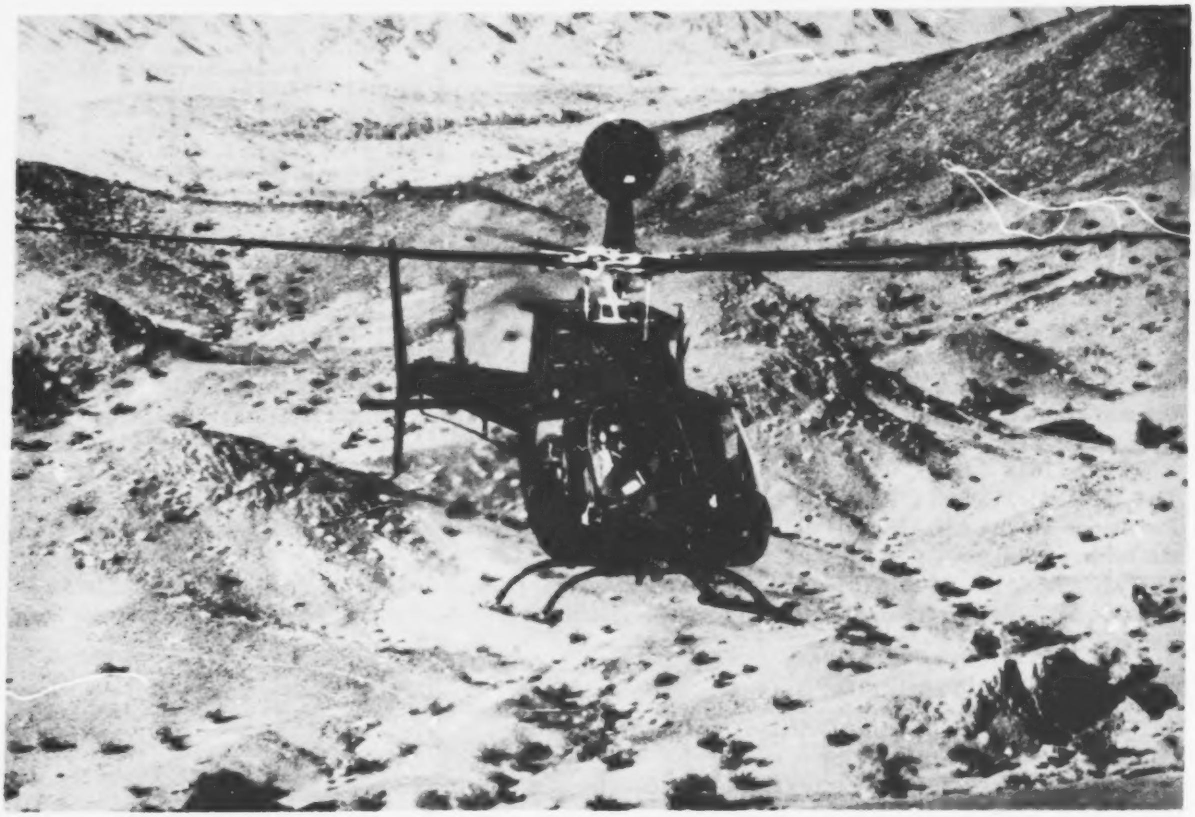


Figure 226. OH–58D

AVIONICS CONFIGURATION

The following configuration depicts a typically configured OH–58( ). The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	OH–58A	OH–58C	OH–58D (AHIP)		
INTERCOM						
C–6533/ARC	Intercom Control	3	3			
C–10414(V)3/ARC	Intercom Control			2		
206–075–483–1	Impedance Matching Network	1	1			
406–077–801–101	Audio Distribution Unit			1		
UHF/AM RADIO						
AN/ARC–51BX consisting of:	Radio Set					
C–6287/ARC–51BX	Control	[1]1				
HD–615/ARC–51X	Cooler	[1]1				
ID–1003/ARC	SWR Indicator	[1]1				
MT–2653/ARC	Mount	[1]1				
RT–742( )/ARC	Receiver-Transmitter	[1]1				
AN/ARC–116( )	Radio Set	[1,2]1	[2]1			
RT–1167( )/ARC–164(V)	Radio Set	[2]1	[2]1			
RT–1145F/ARC–164(V)	Receiver-Transmitter			1		
AS–2487/ARC(206–075–551–1)	UHF Antenna	1	1	1		
HPF40–01T	UHF Hi Pass Filter	1	1			
205–075–381–1	UHF Hi Pass Filter			1		

FUNCTION/TYPE NUMBER	NOMENCLATURE	OH–58A	OH–58C	OH–58D (AHIP)		
VHF/AM RADIO						
AN/ARC–115( )	Radio Set	[3]1	[3]1			
RT–1354/ARC–186	Radio Set	[3]1	[3]1			
RT–1300B/ARC–186	Receiver-Transmitter			1		
205–075–382–1	VHF Band Pass Filter			1		
206–075–518–1	VHF Antenna	[4]1	[4]1			
406–577–010–101	VHF AM/#1 FM Com (Fin) Antenna			1		
BPF40–03P(205–075–382–1)	VHF Band Pass Filter			1		
VHF/FM RADIO						
AN/ARC–114( )	Radio Set (#1 FM)	1	1			
AN/ARC–114( )	Radio Set (#2 FM)	CPO	CPO			
CM–492/ARC–186(V)	FM Homing Unit (#2 FM)			1		
RT–1300B/ARC–186	Receiver-Transmitter			2		
AS–2485/ARC	FM Com Antenna	1	1	2		
AS–2486/ARC	#1 FM Homing Antenna (LH)	1	1			
AS–2670/ARC	#1 FM Homing Antenna (RH)	1	1			
206–075–518–1	#1 FM Com Antenna	[4]1	[4]1			
406–077–805–101	#2 FM Antenna Coupler			1		
406–077–817–101	FM #2 Com/Homing Antenna			2		
406–077–822–101	VHF/FM Bandpass Filter			1		
406–577–010–101	VHF AM/Hi Fm Com (Fin) Antenna			1		
LPF40–02B(205–075–380–1)	FM Low Pass Filter	1	1			
HF–SSB RADIO						
AN/ARC–199 consisting of:	Radio Set					
AM–7201/U	Amplifier-Coupler			1		
CU–2305/ARC–199	Antenna Coupler			[12]1		
RT–1432/U	Receiver-Transmitter			[12]1		
406–077–109–101	HF Antenna			[12]1		
IMPROVED VHF/FM						
AM–7189A/ARC	RF Amplifier			1		
SECURE VOICE						
MD–1101/A	Audio Threshold Device	1	1			
MT–3802/ARC	Mount	1	1			
Z–AHP	Remote Control Unit	[5]CPO	[5]CPO			
Z–AHQ	Interface Adapter	[5]CPO	[5]CPO			
TSEC/KY–58	Com Security Set (2 ea)	CPO	CPO	CPO		
TSEC/KY–75	Com Security Set			CPO		
GYRO COMPASS						
AN/ASN–43 consisting of:	Gyro Compass Set					
CN–405/ASN	Compensator	1	1			
CN–998( )/ASN	Directional Gyro	1	1	1		
T–611/ASN	Compass Transmitter	1	1	1		
C–6347(MOD)/ASN	Compass Control			1		
AHRS						
AN/ASN–143(V)3	Attitude Heading Reference System			1		
ADF						
AN/ARN–89( ) consisting of:	Direction Finder Set					
AM–4859( )/ARN–89	Amplifier	1	1			
AS–2108( )/ARN–89	Loop Antenna	1	1			
C–7392( )/ARN–89	Control	1	1			
R–1496( )/ARN–89	Receiver	1	1			
206–032–310–3	ADF Sense Antenna Assy	1	1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	OH–58A	OH–58C	OH–58D (AHIP)		
VOR/MB/GS						
AN/ARN–123(V)1 consisting of:	Receiving Set					
C–10048/ARN–123(V)	Control		[6]CPO			
MT–4834/ARN–123(V)	Mount		[6]CPO			
R–2023/ARN–123(V)	Receiver		[6]CPO			
206–075–716–1	Course Indicator		[6]CPO			
AS–1304/ARN	VOR Antenna		[6]CPO			
AS–3188/ARN	GS Antenna		[6]CPO			
AT–640( )/ARN	MB Antenna		[6]CPO			
DOPPLER NAVIGATION						
AN/ASN–137 consisting of:	Doppler Navigation Set					
CV–3669/ASN–137	Signal Data Coverter			1		
RT–1193/ASN–128	Receiver-Transmitter-Antenna			1		
RADAR ALTIMETER						
AN/APN–209( )(V)1 consisting of:	Radar Altimeter Set					
AS–2595/APN–194(V)	Antenna		[7]2			
RT–1115( )/APN–209(V)	Receiver-Transmitter-Height Indicator		[7]1			
AN/APN–209B(V)3 consisting of:	Radar Altimeter Set					
AS–3586/APN–209A(V)	Antenna			2		
RT–1411/APN–209A(V)	Receiver-Transmitter			1		
IDENTIFICATION						
AN/APX–72 consisting of:	Transponder Set					
C–6280A(P)/APX	Control	1				
MT–3809/APX–72	Mount	1				
RT–859( )/APX–72	Transponder	1				
MT–3513/APX	Mount(TS–1843)	1				
TS–1843( )/APX	Test Set	1				
RT–1285( )/APX–100	Transponder		1			
MT–4811/APX–100	Mount (RT–1471)			1		
RT–1471/APX	Transponder			1		
AT–884( )/APX	Antenna	1	[10]1			
206–077–109–1	Antenna		1			
AT–741( )/A	Antenna		[10]1	2		
MT–3949A/U	Mount (KIT–1A)	1	1	1		
KIT–1A/TSEC	IFF Computer	CPO	CPO	CPO		
RADAR WARNING						
AN/APR–39(V)1 consisting of:	Radar Signal Detecting Set					
AS–2890/APR–39(V)	Blade Antenna	CPO	CPO	CPO		
AS–2891/APR–39(V)	Right Spiral Antenna (2 ea)	CPO	CPO	CPO		
AS–2892/APR–39(V)	Left Spiral Antenna (2 ea)	CPO	CPO	CPO		
C–9326/APR–39(V)	Control	CPO	CPO	[11]CPO		
CM–440/APR–39(V)	Comparator	CPO	CPO	CPO		
IP–1150/APR–39(V)	Indicator	CPO	CPO	[11]CPO		
R–1838/APR–39(V)	Receiver (2 ea)	CPO	CPO	CPO		
ATHS						
CP–1516/ASQ	Peripheral Interface Unit (Airborne Target Handoff Sys)			1		
CONTROL/DISPLAY						
406–947–307 consisting of:	Control Display Sys (CDS)					
8001671–901	Indicator Ass'y			2		
8500056	Key Board Ass'y			1		
8500088–901	Master Controller Processor Unit			2		
8500233–901	Remote Freq. Display			1		

FUNCTION/TYPE NUMBER	NOMENCLATURE	OH–58A	OH–58C	OH–58D (AHIP)		
PROXIMITY WARNING						
YG–1054D1 consisting of:	Proximity Warning System					
10027834–101	Antenna	[8]2	[8]2			
HG1001–AD01	Receiver-Transmitter	[8]1	[8]1			
POWER SOURCES						
BB–476/A	Battery	[8]1	[8]1			
BB–676/A	Battery	[9]1	[9]1			
BB–558/A(406–075–806–101)	Battery			1		
PP–6376/A	Static Inverter	1	1			
406–075–802–101	Static Inverter			1		
406–075–807–101	Battery Charger			1		
MISCELLANEOUS						
ID–1351(PL)(A), (B)/A	HRB Indicator	1				
ID–1351(C),(D),(E)/A	HRB Indicator		1			
	Air Data Sys consisting of:					
406–074–015–101	Power Supply			1		
405–077–802–101	Transducer			1		
56B3C	Temperature Sensor			1		

NOTES:

1. The AN/ARC–51 was temporarily installed in lieu of the AN/ARC–116 in aircraft 68–16687 thru 68–16986.
2. The AN/ARC–116 and RT–1167 are interchangeable; therefore, either may be installed but not both.
3. The AN/ARC–115 and RT–1354/ARC–186 are interchangeable; therefore, either may be installed but not both.
4. Used as the VHF/AM and #1 FM Com Antenna.
5. Replaces the TSEC/KY–28 (including C–8157/ARC) Nestor System.
6. Some aircraft may have this equipment installed as part of complete provisions only.
7. Some aircraft may have complete provisions only installed.
8. Equipment installed only in aircraft located at Ft. Bragg, Ft. Campbell, Ft. Hood, and Ft. Rucker.
9. The BB–676 is being replaced by the BB–476 on an attrition basis. The BB–649/A may be installed as a part of a winterization kit.
10. When MWO 55–1520–228–30–37 is applied the AT–884/APX Antenna is removed and the AT–741( )/A Antenna is installed.
11. The C–9326/APR–39 and IP–1150/APR–39 are modified to be blue/green NVG compatible for installation in OH–58D.
12. One AN/ARC–199 will be installed in every third aircraft.

GENERAL NOTE: The OH–58D (AHIP) was still in development at the time of this printing. Therefore, configuration shown is proposed only, not firm.

Applicable Aircraft Avionics Manuals:

TM 11–1520–228–20 (Pertains to OH–58A)
TM 11–1520–228–20–1 (Pertains to OH–58C)
TM 11–1520–228–20P (Pertains to OH–58A/C)
TM 11–1520–228–34 (Pertains to OH–58A)
TM 11–1520–228–34–1 (Pertains to OH–58C)
TM 11–1520–228–34P (Pertains to OH–58A/C)
TM 11–1520–248–23 (Pertains to OH–58D)
TM 11–1520–248–23P (Pertains to OH–58D)

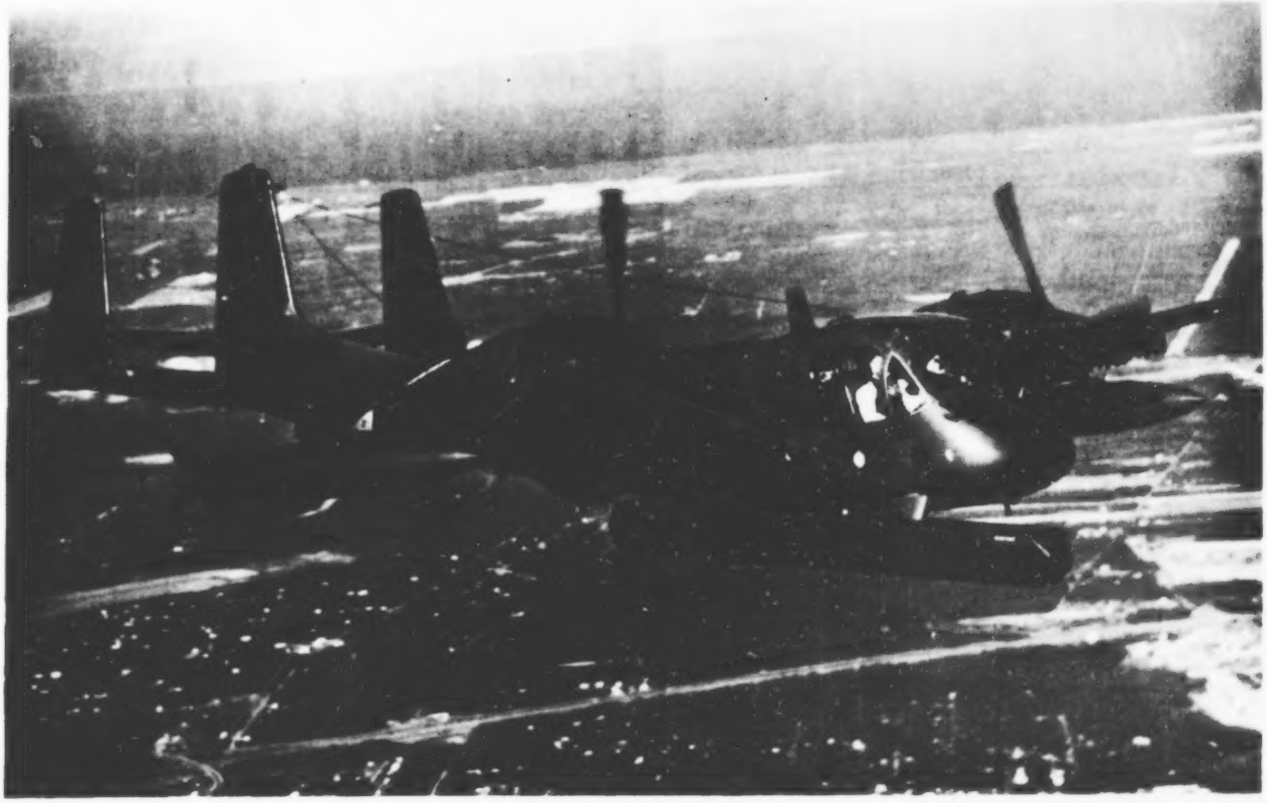


FIGURE 227. OV–1D MOHAWK

AVIONICS CONFIGURATION

The following configuration depicts a typically configured OV–1( )/RV–1D. The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV–1B	OV–1C	OV–1D	RV–1D	
INTERCOM						
C–1611( )/AIC	Intercom Control	2	2			
C–6533/ARC	Intercom Control			2	2	
UHF/AM RADIO						
AN/ARC–51BX consisting of:	Radio Set					
C–6287/ARC–51BX	Control	1	1	[1]1	[1]1	
HD–615/ARC–51X	Cooler	1	1	[1]1	[1]1	
ID–1003/ARC	SWR Indicator	1	1	[1]1	[1]1	
MT–2653/ARC	Mount	1	1	[1]1	[1]1	
RT–742( )/ARC	Receiver-Transmitter	1	1	[1]1	[1]1	
RT–1167/ARC–164(V)	Radio Set			[1]1	[1]1	
AT–1108/ARC	VHF/UHF Antenna	[2]1	[2]1	[2]1	[2]1	
VHF/AM RADIO						
AN/ARC–134 consisting of:	Radio Set					
C–7197/ARC–134	Control	1	1			
MT–3791( )/ARC–134	Mount	1	1			
RT–857/ARC–134	Receiver-Transmitter	1	1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D	
AN/ARC-115( )	Radio Set			1	1	
AT-1108/ARC	VHF/UHF Antenna	[2]1	[2]1	[2]1	[2]1	
VHF/FM RADIO						
AN/ARC-54 consisting of:	Radio Set					
C-3835/ARC-54	Control	[3]1	[3]1			
MT-1535/ARC-54	Mount	[3]1	[3]1			
RT-348/ARC-54	Receiver-Transmitter	[3]1	[3]1			
AN/ARC-131 consisting of:	Radio Set					
C-7088/ARC-131	Control	[3]1	[3]1			
MT-3664/ARC-131	Mount	[3]1	[3]1			
RT-823/ARC-131	Receiver-Transmitter	[3]1	[3]1			
AN/ARC-114( )	Radio Set (#1 FM)			1	1	
AN/ARC-114( )	Radio Set (#2 FM)			CPO		
AS-1703/AR	FM Comm Comm Antenna	1	1			
CU-942( )/ARC	FM Antenna Coupler	1	1			
AS-2042/ARC	FM Homing Antenna	1	1	1	1	
134SCAV247	FM Comm Antenna (#1 FM)			1	1	
134SCAV247	FM Comm Antenna (#2 FM)			CPO		
HF RADIO						
AN/ARC-102 consisting of:	Radio Set					
C-3940/ARC-94	Control	CPO	CPO	CPO	CPO	
PP-3702/ARC-102	Inverter Mounting	CPO	CPO	CPO	CPO	
RT-698/ARC-102	Receiver-Transmitter	CPO	CPO	CPO	CPO	
CU-1658( )/A	HF Antenna Coupler	1	1	1	1	
MT-3772/A	Mount (CU-1658)	1	1	1	1	
1908-01	Lightning Arrester	1	1	1	1	
134AV45511-1	HF Antenna	1	1	1	1	
SECURE VOICE						
MD-736/A	Signal Discriminator (2 ea)	CPO	CPO			
MT-3802/ARC	Mount	1	1	1	1	
C-8157/ARC	Control Indicator			[4]1	[4]1	
Z-AHP	Remote Control Unit			[4]1	[4]1	
Z-AHQ	Interface Adapter			[4]1	[4]1	
TSEC/KY-28	Com Security Set			[4]CPO	[4]CPO	
TSEC/KY-58	Com Security Set			[4]CPO	[4]CPO	
ATTITUDE HEADING						
AN/ASN-76 consisting of:	Attitude Heading Reference Set					
AM-4862/ASN-76	Electronic Control Amplifier	1	1	1	1	
C-8099/ASN-76	Controller	1	1	1	1	
CN-1151/ASN-76	Displacement Gyro	1	1	1	1	
MT-3870/A	Mount	1	1	1	1	
DT-173/AJN consisting of:	Magnetic Azimuth Detector					
CN-1072/AJN	Compensator	1	1	1	1	
DT-309/AJN	Detector (Flux Valve)	[5]1	[5]1	[5]1	[5]1	
DT-376/ASN	Detector (Flux Valve)	[5]1	[5]1	[5]1	[5]1	
INTEGRATED FLIGHT DIRECTOR						
AN/ASN-33 consisting of:	Navigation Computer Set					
AM-2853/ASN	Amplifier	1	1	1	1	
CP-583/ASN	Computer	1	1	1	1	
ID-882/ASN	Attitude-Nav Indicator (Horizontal)	1	1	1	1	
ID-883/ASN	Course Indicator	1	1	1	1	
MT-2416/ASN	Mount (AM-2853, CP-853)	1	1	1	1	

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D
CU-865/ASN	Indicator Coupler	1	1		
MT-2417/ASN	Mount (CU-865)	1	1		
ADF					
AN/ARN-59 consisting of:	Direction Finder Set				
AT-780/ARN	Loop Antenna	1			
C-2275//RN	Control	1	[6]1		
DY-150/ARN	Dynamotor	1	[6]1		
MT-2018/ARN	Mount (R-836)	1	[6]1		
MT-2019/ARN	Mount (DY-150)	1	[6]1		
R-836/ARN	Receiver	1	[6]1		
134AV25518-1	Sense Antenna	1	1	1	1
AN/ARN-83 consisting of:	Direction Finder Set				
AS-1863/ARN-83	Loop Antenna		[6]1		
C-6899/ARN-83	Control		[6]1		
MT-3605/ARN-83	Mount		[6]1		
R-1391/ARN-83	Receiver		[6]1		
AN/ARN-89( ) consisting of:	Direction Finder Set				
AM-4859( )/ARN-89	Amplifier			1	1
AS-2108( )/ARN-89	Loop Antenna			1	1
C-7392( )/ARN-89	Control			1	1
R-1496( )/ARN-89	Receiver			1	1
VOR					
AN/ARN-30E consisting of:	Receiving Set (VOR)				
C-3436/ARN-30E	Control	1	[6]1		
CV-265A/ARN-30A	Converter	1	[6]1		
MT-1174/ARN-30A	Mount (R-1021)	1	[6]1		
MT-1175/ARN-30A	Mount (CV-265)	1	[6]1		
PP-2792/ARN-30D	Power Supply	1	[6]1		
R-1021/ARN-30D	Receiver	1	[6]1		
134CS30103-1	VOR Antenna	1	1	1	1
AN/ARN-82( ) consisting of:	Receiving Set (VOR)				
C-6873B/ARN-82	Control		[6]1	1	1
MT-3600/ARN-82	Mount		[6]1	1	1
R-1388( )/ARN-82	Receiver		[6]1	1	1
MB/GS					
R-844( )/ARN-58	Radio Receiver (MB/GS)	1	1	[7]1	[7]1
AT-134A/ARN	MB Antenna	[9]1	[9]1	[9]1	[9]1
134AV25508-1	MB Antenna	[9]1	[9]1	[9]1	[9]1
134AV35003-1	GS Antenna	1	[8]1		
AT-326/ARN	GS Antenna		[8]1	1	1
R-1963/ARN	Radio Receiver (MB/GS)			[7]1	[7]1
MT-4835/ARN	Mount (R-1963)			[7]1	[7]1
TCAN					
AN/ARN-103(V)1 consisting of:	Navigation Set (TACAN)				
C-8968/ARN-103(V)	Control	1	1	1	1
CV-2924(P)/ARN-103(V)	Signal Data Converter	1	1	1	1
MT-4411/ARN-103(V)	Mounting	1	1	1	1
RT-1057/ARN-103(V)	Receiver-Transmitter	1	1	1	1
AT-741( )/A	Antenna	2	2	2	2
SA-521/A	Antenna Transfer Switch	1	1	1	1
MT-1995/A	Mount (SA-521)	1	1	1	1

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D	
DOPPLER NAVIGATION						
AN/ASN-64 consisting of:	Doppler Navigation Set					
AN/APN-168( ) consisting of:	Radar Navigation Set					
AS-1766/( )/ASN-168	Antenna	1	1			
CW-854/APN-168	Radome	1	1			
MT-3435/APN-168	Mount (OA-7400)	1	1			
MT-3436/APN-168	Mount (OA-7401)	1	1			
OA-7400/APN-168	Frequency Tracker	1	1			
OA-7401/APN-168	Receiver-Transmitter	1	1			
AN/AYA-3 consisting of:	Doppler Computer Group					
C-6586( )/AYA-3	Control Indicator	1	1			
ID-1282( )/AYA-3	Velocity-Steering Indicator	1	1			
MT-2551/AYA-3	Mount (OA-7432)	1	1			
OA-7432( )/AYA-3	Computer	1	1			
T-992/A	True Airspeed Transmitter	[10]1	[10]1			
INERTIAL NAVIGATION						
AN/ASN-86 consisting of:	Inertial Navigation Set					
CP-941/ASN-86	Navigation Computer			1	1	
ID-1579/ASN-86	Control-Indicator			1	1	
MT-4447/ASN-86	Mount (MX-8123)			1	1	
MT-4075/ASN-86	Mount (CP-941)			1	1	
MX-8123/ASN-86	Gyro Stabilized Platform			1	1	
T-992/A	True Airspeed Transmitter			[10]1	[10]1	
RADAR ALTIMETER						
AN/APN-22 consisting of:	Radar Altimeter Set					
AM-291/APN-22	Electronic Control Amplifier	1	[11]1			
CY-1409A/APN-22	Receiver-Transmitter Housing	1	[11]1			
ID-257/APN-22	Height Indicator	1	[11]1			
MT-803/APN-22	Mount	1	[11]1			
RT-160/APN-22	Receiver-Transmitter	1	[11]1			
AN/APN-171A(V)1 consisting of:	Radar Altimeter Set					
AS-1858/APN-171(V)	Antenna		[11]2	2	2	
F-1263/APN-171A(V)	Band Suppression Filer		[11]1	1	1	
ID-1345A/APN-171(V)	Height Indicator		[11]1	1	1	
MT-4167/APN-171(V)	Mount		[11]1	1	1	
RT-804A/APN-171(V)	Receiver-Transmitter		[11]1	1	1	
IDENTIFICATION						
AN/APX-72 consisting of:	Transponder Set					
C-6280A(P)/APX	Control	1	1	1	1	
MT-3809/APX-72	Mount	1	1	1	1	
RT-859( )/APX-72	Transponder	1	1	1	1	
TS-1843( )/APX	Test Set	1	1	1	1	
MT-3513/APX	Mount (TS-1843)	1	1	1	1	
KIT-1A/TSEC	IFF Computer	CPO	CPO	CPO	CPO	
MT-3949A/U	Mount (KIT-A)	1	1	1	1	
AT-741( )/A	Antenna	2	2	2	2	
AUTO PILOT						
AN/ASW-12(V)2 consisting of:	Automatic Flight Control System					
C-3106( )/ASW-12(V)	Auto Pilot Attitude Control	1	1	1	1	
C-3107( )/ASW-12(V)	Auto Pilot Flight Controller	1	1	1	1	
C-3108( )/ASW-12(V)	Attitude Reference Control	1	1	1	1	
CN-601( )/ASW-12(V)	Displacement Gyro	1	1	1	1	
CU-792/ASW-12(V)	Navigational Coupler	1	1	1	1	
MX-2916( )/ASW-12(V)	Accelerometer	1	1	1	1	
MX-2917/ASW	Calibration Unit	1	1	1	1	

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D
MX-2918/ASW-12(V)	Calibration Unit	1	1	1	1
MX-2919/ASW-12(V)	Calibration Unit	1	1	1	1
TG-78( )/ASW-12(V)	Actuator	2	2	2	2
TG-80( )/ASW-12(V)	Actuator	1	1	1	1
TG-81( )/ASW-12(V)	Actuator	1	1	1	1
PHOTOGRAPIC					
KS-61A consisting of:	Photographic Surveillance System				
KA-30A consisting of:	Still Picture Camera				
LA-131A	Lens Cone	^{12}CPO	^{12,13}CPO		
LA-134A	Camera Body Drive	^{12}CPO	^{12,13}CPO		
LA-135	Film Cassette Magazine (2ea)	^{12}CPO	^{12,13}CPO		
LA-138A	Lens Cone Case	^{12}CPO	^{12,13}CPO		
LA-139A	Camera Equipment Case	^{12}CPO	^{12,13}CPO		
LA-136A consisting of:	Lens Cone Group				
LA-130A	Lens Cone	^{12}CPO	^{12,13}CPO		
LA-137A	Lens Cone Case	^{12}CPO	^{12,13}CPO		
LS-38A consisting of:	Photographic Control Sys				
LA-96A	Attitude Speed Ratio Detector	^{12}CPO	^{12,13}CPO		
LA-152A	Power Supply Control	^{12}CPO	^{12,13}CPO		
LA-153A	Camera Mount Control	^{12}CPO	^{12,13}CPO		
LA-154A	Camera Exposure Control	^{12}CPO	^{12,13}CPO		
LA-155A	Flare Reset Control	^{12}CPO	^{12,13}CPO		
LA-156A	Master Camera Control	^{12}CPO	^{12,13}CPO		
LA-157A	Photoflash Detector	^{12}CPO	^{12,13}CPO		
LA-158A	Cartridge Ejector	^{12}CPO	^{12,13}CPO		
LA-159A	Cartridge Ejector	^{12}CPO	^{12,13}CPO		
LA-160A	Camera Mount	^{12}CPO	^{12,13}CPO		
LA-161A	Light Monitoring Sensor	^{12}CPO	^{12,13}CPO		
LA-162A	Oblique Sight (Left)	^{12}CPO	^{12,13}CPO		
LA-163A	Oblique Sight (Right)	^{12}CPO	^{12,13}CPO		
LA-176A	Attitude-Speed Ratio Converter	^{12}CPO	^{12,13}CPO		
LA-177A	Attitude-Speed Ratio Coupler	^{12}CPO	^{12,13}CPO		
LA-178A	Flight Line Tracker	^{12}CPO	^{12,13}CPO		
KS-104A consisting of:	Photographic Surveillance Sys				
KA-76A consisting of:	Still Picture Camera				
LA-373A	Camera Body Drive		^{12,13}CPO		
LA-374A	Camera Lens Cone		^{12,12}CPO		
LA-375A	Photographic Shutter		^{12,13}CPO		
LA-407A	Light Sensor (3 ea)		^{12,13}CPO		
LA-414A	Film Cassette Magazine (2 ea)		^{12,13}CPO		
LS-59A consisting of:	Photographic Flasher Sys				
LA-59A	Carrying Cradle		^{12,13}CPO		
LA-388	Pod Assembly		^{12,13}CPO		
LA-389A	Carrying Case		^{12,13}CPO		
LA-390A	Cable Assembly		^{12,13}CPO		
LA-391A	Cover Assembly		^{12,13}CPO		
LA-392	Turbine Cover Assembly		^{12,13}CPO		
LA-394A	Control Box Assembly		^{12,13}CPO		
LS-91A consisting of:	Photographic Control Sys				
LA-96A	Attitude-Speed Ratio Detector		^{12,13}CPO		
LA-162A	Oblique Sight (Left)		^{12,13}CPO		
LA-163A	Oblique Sight (Right)		^{12,13}CPO		
LA-176A	Altitude-Speed Ratio Converter		^{12,13}CPO		
LA-178A	Flight Line Tracker		^{12,13}CPO		
LA-405A	Camera Control		^{12,13}CPO		

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D	
LA-406A	Power Supply Control		[12,13]CPO			
LA-407A	Light Sensor		[12,13]CPO			
LA-408A	Camera Mount		[12,13]CPO			
LA-409A	Actuator Assembly		[12,13]CPO			
KS-104B consisting of:	Photographic Surveillance System					
KA-76A consisting of:	Still Picture Camera					
LA-373A	Camera Body Drive		[12,13]CPO			
LA-374A	Camera Lens Cone		[12,13]CPO			
LA-375A	Photographic Shutter		[12,13]CPO			
LA-407A	Light Sensor (3 ea)		[12,13]CPO			
LA-414A	Film Cassette Magazine (2 ea)		[12,13]CPO			
LS-59A consisting of:	Photographic Flasher Sys					
LA-359A	Carrying Cradle		[12,13]CPO			
LA-388A	Pod Assembly		[12,13]CPO			
LA-389A	Carrying Case		[12,13]CPO			
LA-390A	Cable Assembly		[12,13]CPO			
LA-391A	Cover Assembly		[12,13]CPO			
LA-392A	Turbine Cover Assembly		[12,13]CPO			
LA-394A	Control Box Assembly		[12,13]CPO			
LS-91B consisting of:	Photographic Control Sys					
LA-96A	Altitude-Speed Ratio Detector		[12,13]CPO			
LA-162A	Oblique Sight (Left)		[12,13]CPO			
LA-163A	Oblique Sight (Right)		[12,13]CPO			
LA-176A	Altitude-Speed Ratio Converter		[12,13]CPO			
LA-178A	Flight Line Tracker		[12,13]CPO			
LA-405B	Camera Master Control		[12,13]CPO			
LA-406A	Power Supply Control		[12,13]CPO			
LA-407A	Light Sensor		[12,13]CPO			
LA-408B	Camera Mount		[12,13]CPO			
LA-409A	Actuator Assembly		[12,13]CPO			
KA-60C consisting of:	Still Picture Camera					
LA-410A	Film Magazine		[12,14]CPO	[15]CPO		
LA-411A	Camera Body Drive		[12,14]CPO	[15]CPO		
LA-412A	Camera Control		[12,14]CPO	[15]CPO		
LA-413A	Camera Control Panel		[12,14]CPO	[15]CPO		
1193D64	Mount (LA-412A)			2		
KS-113A consisting of:	Photographic Surveillance System					
KA-76A consisting of:	Still Picture Camera					
LA-373A	Camera Body Drive			CPO		
LA-374A	Lens Cone			CPO		
LA-375A	Photographic Shutter			CPO		
LA-414A	Film Cassette Magazine (2 ea)			CPO		
LA-370A	Lens Cone			CPO		
LA-371A	Lens Cone			CPO		
LA-372A	Lens Cone			CPO		
LA-434A	Code Matrix Block Recorder			CPO		
LS-59A consisting of:	Flasher System					
LA-388A	Pod Assembly			CPO		
LA-390A	Cable Assembly			CPO		
LA-394A	Control Box Assembly			CPO		
LS-92A consisting of:	Photographic Control Sys					
C-8340/A	Altitude-Speed Ratio Control			1		
LA-162A	Oblique Sight (Left)			1		
LA-163	Oblique Sight (Right)			1		
LA-178A	Flight Line Tracker			1		
LA-406A	Power Supply Control			1		

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D
LA-407A	Light Sensor			3	
LA-408B	Camera Mount			1	
LA-409A	Actuator			1	
LA-432A	Camera Master Control			1	
INFRARED SURVEILLANCE					
AN/AAS-14A consisting of:	Infrared Detecting Set				
OA-7825/AAS-14A consisting of:	Control Indicator Group				
C-6822/AAS-14A	Control		1		
CX-11271/AAS-14A	Cable Assembly		1		
CX-11272/AAS-14A	Cable Assembly		1		
CY-4815/AAS-14A	Equipment Cabinet		1		
ID-807/U	Calibration Indicator		1		
IP-808/U	Terrain Display Indicator		2		
SB-2649/AAS-14A	Switch Control Panel		1		
OA-7827/AAS-14A consisting of:	Receiver Group				
CN-770/AAS-14	Displacement Gyro		1		
R-1386/AAS-14	Receiver		1		
AN/USA-23 consisting of:	Recorder Group				
CY-4811/U	Magazine Case		2		
MA-18/U	Film Magazine		2		
MT-7186/USA-23	Recorder Subassembly		1		
PP-4478/AAS-14A	Power Supply		1		
MT-3582/AAS-14	Mount (PP-4478)		1		
AM-4464/AAS-14A	Preamplifier		2		
CV-2052/AAS-14A	Signal Data Converter		1		
HD-723/AAS-14A	Cyrogenic Refrigerator		1		
MK-898/AAS-14A	Optical Filter Kit		1		
MT-3610/AAS-14A	Mount (HD-723)		1		
MT-4105/AAS-14A	Mount (CV-2052)		1		
AN/AAS-24 consisting of:	Infrared Detecting Set				
CV-2666/AAS-24	Video Converter			[16]CPO	
CV-2666/AAS-24	Video Converter			[16]CPO	
CY-6665/AAS-24	Film Magazine Case (2 ea)			[16]CPO	
HD-841/AAS-24	Rotary Compressor			[16]CPO	
MX-8357/AAS-24	Detecting Set Subassembly			[16]CPO	
MX-8358/AAS-24	Converter Subassembly			[16]CPO	
MX-8359/AAS-24	Recorder Group Blanket			[16]CPO	
OA-8511/AAS-24 consisting of:	Recorder Group				
MA-26/AAS-24	Film Magazine (2 ea)			[16]CPO	
MX-8356/AAS-24	Recorder Subassembly			[16]CPO	
OK-138/AAS-24 consisting of:	Control Indicator Group				
OK-149/AAS-24 consisting of:	Terrain Display/Control Group				
C-8182/AAS-24	Receiver Control			[16]CPO	
C-8183/AAS-24	Velocity One Height Control			[16]CPO	
C-8180/AAS-24	Indicator Control			[16]CPO	
IP-970/AAS-24	Terrain Indicator			[16]CPO	
OK-150/AAS-24 consisting of:	Calibration Display/Control Group				
IP-969/AAS-24	Calibration Display Indicator			[16]CPO	
C-8181/AAS-24	Built In Test Control			[16]CPO	
CY-6606/AAS-24	Equipment Cabinet			[16]CPO	
MT-4156/AAS	Mount			[16]CPO	
PP-6270/AAS-24	Power Supply			[16]CPO	
R-1615/AAS-24	Infrared Receiver			[16]CPO	
MT-4157/AAS-24	Mount (MX-8357, PP-6270)			[16]CPO	
MT-4158/AAS-24	Mount (MX-8358)			[16]CPO	
MT-4159/AAS-24	Mount (CV-2666)			[16]CPO	
134F80332-1	Mount (R-1615)			1	

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D	
RADAR SURVEILLANCE						
AN/APS-94C consisting of:	Radar Surveillance Set					
AS-1048/APS-94	Antenna Assembly	1				
C-2996/APS-24	Radar Set Control	1				
C-2997/APS-94	Recorder Control	1				
CM-145( )/APS-94	Signal Comparator	1				
IP-516( )/APS-94	Radar Target Indicator	1				
IP-517( )/APS-94	Video Signal Monitor	1				
J-1098C/APS-94	Interconnection Box	1				
PP-2404( )/APS-94	Power Supply	1				
RD-166( )/UP	Radar Mapping Recorder	1				
RT-530/APS-94	Receiver-Transmitter	1				
SN-257A/APS-94	Synchronizer	1				
AN/APS-94D consisting of:	Radar Surveillance Set					
AS-2199/APS-94D	Antenna			[16,17]CPO		
C-7645/APS-94D	Radar Set Control			[16,17]CPO		
CM-374/APS-94D	Radar Signal Processor			[16,17]CPO		
IP-923/APS-94D	Radar Target Indicator			[16,17]CPO		
J-2794/APS-94D	Interconnecting box			[16,17]CPO		
MT-4015/APS-94	Equipment Rack			[16,17]CPO		
RO-352/APS-94D	Recorder-Processor-Viewer			[16,17]CPO		
RT-899/APS-94D	Receiver-Transmitter			[16,17]CPO		
SG-794/APS-94D	Sweep Generator			[16,17]CPO		
AN/APS-94F consisting of:	Radar Surveillance Set					
AS-3322/APS-94F	Antenna			[16,17]CPO		
C-7645/APS-94D	Radar Set Control			[16,17]CPO		
CM-481/APS-94F	Signal Processor			[16,17]CPO		
HD-1067/APS-94F	Pressurization Set			[16,17]CPO		
J-2794A/APS-94D	Interconnecting Box			[16,17]CPO		
MT-4015/APS-94D	Equipment Rack			[16,17]CPO		
PP-7508/APS-94F	Power Supply Mount			[16,17]CPO		
RO-495/U	Recorder-Processor-Viewer			[16,17]CPO		
RT-1283/APS-94F	Receiver-Transmitter			[16,17]CPO		
SG-1127/APS-94E	Sweep Generator			[16,17]CPO		
DATA LINK						
AN/ART-41A	Transmitter		1			
MT-2530/A	Mount		1			
AN/AKT-18 consisting of:	Radar Data Transmitting Set					
C-6598/AR	Control	1				
CV-2094/A	Signal Data Converter	1				
KY-565/AKT-18	Video Encoder	1				
MT-2653/ARC	Mount (T-991)	1				
MT-3448/AKT-18	Mount (KY-565)	1				
MT-3617/A	Mount (CV-2094)	1				
SB-2471/AKT-18	Power Distribution Panel	1				
T-991/AR	Transmitter	1				
AN/AKT-18A consisting of:	Radar Data Transmitting Set					
C-6598/AR	Control			[18]CPO		
C-9963/AKT-18A	Control			[18]CPO		
KU-565A/AKT-18	Video Encoder			[18]CPO		
MT-2653/ARC	Mount (T-001)			[18]CPO		
MT-3448/AKT-18	Mount (LY-565A)			[18]CPO		
MT-4792/AKT-18A	Mount (PD-7255)			[18]CPO		
MT-4793/AKT-18A	Mount (J-2794)			[18]CPO		
PP-7255/AKT-18A	Power Supply-Synchronizer			[18]CPO		
T-991/AR	Transmitter			[18]CPO		

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D
AN/AKT-18B consisting of:	Radar Data Transmitting Set				
AN/ARC-164(V)12 consisting of:	Radio Set			[18]CPO	
C-10547/ARC-164(V)	Control			[18]CPO	
MT-6017/ARC-164(V)	Mount			[18]CPO	
RT-1288/ARC-164(V)	Receiver-Transmitter			[18]CPO	
C-10546/AKT-18B	Control			[18]CPO	
KY-865/AKT-18B	Video Encoder			[18]CPO	
MT-6016/AKT-18B	Mount			[18]CPO	
AT-450/ARC	Data Antenna	1	1	1	[19]1
AN/USQ-61 consisting of:	Digital Data Set				
AN/ART-41A	Transmitter				[19]CPO
MT-2530/A	Mount				[19]CPO
MD-939/USQ-61	Digital Modem				[19]CPO
MT-4902/USQ-61	Mount				[19]CPO
MT-4903/USQ-61	Mount				[19]CPO
MT-4904/USQ-61	Mount (TSEC/KG)				[19]CPO
PP-7036/USQ-61	Power Supply				[19]CPO
R-2057/USQ-61	Radio Receiver				[19]CPO
SA-2056/USQ-61	Transmit-Receive Switch				[19]CPO
TSEC/KG-35-4	Key Generator				[19]CPO
AN/USQ-61A consisting of:	Digital Data Set				
AN/ARC-164(V)12 consisting of:	Radio Set				
C-10547/ARC-164(V)	Control				[19]CPO
MT-6017/ARC-164(V)	Mount				[19]CPO
RT-1288/ARC-164(V)	Receiver-Transmittr				[19]CPO
MT-4903/USQ-61	Mount (PP-7652)				[19]CPO
MT-4904/USQ-61	Mount (TSEC/KG)				[19]CPO
PP-7652/USQ-61A	Power Supply				[19]CPO
MD-1102/USQ-61	Digital Modem				[19]CPO
TSEC/KG-( )	Key Generator				[19]CPO
AT-256/ARC	Data Antenna				[19]CPO
DATA ANNOTATION					
AN/AYA-10 consisting of:	Data Annotation System				
C-8338/AYA-10	Control-Monitor			1	
CV-2647/AYA-10	Signal Data Converter			1	
MT-4539/AYA-10	Mount			1	
IP-1080/AYA	Digital Indicator (2 ea)			CPO	
TR-253/AYA	Altitude Transducer			1	
AERIAL RADIAC					
AN/ADR-6(V) consisting of:	Aerial Radiac Set			[20]CPO	
C-8163/ADR-6	Control/Alarm Panel			[20]CPO	
C-854/ADR-6	Computer/Power Supply			[20]CPO	
DT-322/ADR-6	Detector			[20]CPO	
ID-1581/ADR-6	Indicator			[20]CPO	
RO-301/ADR-6	Recorder			[20]CPO	
RADAR WARNING					
AN/ALR-46(V) consisting of:	Radar Signal Detecting Set			[21]CPO	[21]CPO
AM-6639/ALR-46(V)	Amplifier-Detector (4 ea)			[21]CPO	[21]CPO
CM-442/ALR-46(V)	Signal Processor			[21]CPO	[21]CPO
ID-1902/ALR-46(V)	Control-Indicator			[21]CPO	[21]CPO
IP-957/APR-36(V)	Azimuth Indicator			[21]CPO	[21]CPO
R-1854/ALR-46(V)	Receiver			[21]CPO	[21]CPO
AST-1505A	Spiral Antenna (4 ea)			[21]CPO	[21]CPO
21-036312-01A	Blade Antenna			[21]CPO	[21]CPO

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D	
AN/APR-39(V)( ) consisting of:	Radar Signal Detecting Set					
AS-2890/APR-39(V)	Blade Antenna			[21]CPO	[21]CPO	
AS-2891/APR-39(V)	Right Spiral Antenna (2 ea)			[21]CPO	[21]CPO	
AS-2892/APR-39(V)	Left Spiral Antenna (2 ea)			[21]CPO	[21]CPO	
C-9326/APR-39(V)	Control			[21,22]CPO	[21,22]CPO	
C-104112/APR-39(V)	Control			[21,22]CPO	[21,22]CPO	
CM-440/APR-39(V)	Comparator			[21,22]CPO	[21,22]CPO	
CM-480/APR-39(V)	Comparator			[21,22]CPO	[21,22]CPO	
IP-1150/APR-39(V)	Indicator			[21]CPO	[21]CPO	
R-1838/APR-39(V)	Receiver (2 ea)			[21]CPO	[21]CPO	
ES-D-221604	Mount (CM-440/480)			[21]CPO	[21]CPO	
AN/APR-44(V)3 consisting of:	Radar Signal Detecting Set					
AS-3266/APR-44(V)	Antenna (4 ea)			[23]CPO	[23]CPO	
C-10387/APR-44(V)	Control			[23]CPO	[23]CPO	
F-1503/APR-44(V)	Low Pass Filter			[23]CPO	[23]CPO	
R-2097/APR-44(V)	Receiver			[23]CPO	[23]CPO	
R-2098/APR-44(V)	Receiver			[23]CPO	[23]CPO	
PROP SYNCHROPHASER						
AN/AJA consisting of:	Propeller Synchrophraser Set					
SN-324/AJA-5	Synchrophaser	1	1	1	1	
MT-2695/AJA-5	Mount	1	1	1	1	
550512	Speed Bias Assembly	2	2	2	2	
COUNTERMEASURES						
AN/ALQ-147A(V)1 consisting of:	Countermeasures Set					
C-10698/ALQ-147A(V)	Control Unit			CPO		
MD-1074/ALQ-147A(V)	Modulator Assembly			CPO		
T-1407/ALQ-147A(V)	Transmitter Assembly			CPO		
AN/ALQ-147A(V)2 consisting of:	Countermeasures Set					
C-10698/ALQ-147A(V)	Control Unit				CPO	
MD-1074/ALQ-147A(V)	Modulator Assembly				CPO	
T-1408/ALQ-147(V)	Transmitter Assembly				CPO	
AN/ALQ-133 consisting of:	Countermeasures Receiving Set					
OK-270/ALQ-133 consisting of:	Quantizer-Control Group					
AW/UYK-23	Computer (2 ea)				CPO	
BB-507/U	Battery (2 ea)				CPO	
C-9537/ALQ-133	Monitor Controller				CPO	
C-9538/ALQ-133	Control-Indicator				CPO	
CU-2104/ALQ-133	Power Divider (2 ea)				CPO	
O-1672/ALQ-133	Frequency Synthesizer (2 ea)				CPO	
PP-7035/ALQ-133	Power Supply				CPO	
MS91405-C2D	Mount (C-9537)				1	
MS91405-BIC	Mount (0-1672)				2	
MS91405-C2D	Mount (PP-7035)				1	
MS91405-B1D2	Mount (AN/UYK-23)				2	
OR-140/ALQ-133 consisting of:	Intercept Receiver Group (2 ea)					
AS-2994/ALQ-133	Spiral Antenna (4 ea)				CPO	
C-9536/ALQ-133	Power Supply Control				CPO	
CM-446/ALQ-133	Phase Comparator				CPO	
CM-447/ALQ-133	Signal Comparator				CPO	
CV-3171/ALQ-133	Converter-Processor				CPO	
CV-3174/ALQ-133	Frequency Converter (2 ea)				CPO	
CV-3395/ALQ-133	Converter-Processor Group				CPO	
CV-3396/ALQ-133	Converter-Processor Group				CPO	
CY-7410/ALQ-133	Intercept Receiver Pod				2	

FUNCTION/TYPE NUMBER	NOMENCLATURE	OV-1B	OV-1C	OV-1D	RV-1D
POWER SOURCES					
OK-279/A consisting of:	Voltage Controller Group				
BB-708/U	Battery			1	1
C-9609/A	Voltage Controller			1	1
ID-1979/A	Control-Indicator			1	1
MT-4685/A	Mount			1	1
BB-433( )/A	Battery	1	1	1	1
PU-544( )/A	Inverter	1	2	1	1
PU-545( )/A	Inverter	1	1	1	1
PU-750( )/A	Inverter			1	1
MISCELLANEOUS					
ID-250( )/ARN	Radio Magnetic Indicator	[24]1	[24]1		
ID-663( )/U	Bearing-Distance-Heading Indicator	[24]1	[24]1	1	1

NOTES:

1. The RT-1167/ARC-164 is a retrofit replacement for the AN-ARC-51 system.
2. The AT-1108 is used with both the VHF/AM and UHF/AM systems.
3. The AN/ARC-54 and AN/ARC-131 are interchangeable; therefore, either may be installed but not both.
4. Either provisions for the KY-28 (including C-8157) or the KY-58 (including Z-AHP and Z-AHQ) are installed but not both.
5. The DT-376/ASN can be substituted for the DT-309/AJN when a special adapter cable is used.
6. The AN/ARN-59 was replaced by the AN/ARN-83 and the AN/ARN-30 was replaced by the AN/ARN-82 beginning with FY 66 aircraft.
7. The R-1963 is a retrofit replacement for the R-844.
8. Either the AT-326 (Collins 37P4) or the 134AV35003-1 is installed, but not both.
9. Either the AT-134A/ARN or the 134AV25508-1 is installed but not both.
10. The T-992 is part of the AN/ASN-64 Doppler Nav System in OV-1B/C aircraft and used with the AN/ASN-86 Inertial Nav System in OV-1D/RV-1D Aircraft.
11. The AN/ARN-22 was replaced by the AN/HPN-171 beginning with FY 68 aircraft.
12. Some components of these systems are installed as a part of Complete Provisions Only.
13. The KS-61A system is installed thru FY 66 aircraft; the KS-104A system is installed in FY aircraft and the KS-104B system is installed in FY 68 aircraft.
14. Provisions for 1 each KA-60C system is installed in FY 66 thru FY-68 aircraft in addition to the KS-61/A or KS-104 ( ) systems.
15. Provisions for 2 each KA-60C systems are installed in addition to the KS-113A systems.
16. Provisions for the AN/AAS-24 and AN/APS-94( ) are superimposed; therefore, either system may be installed but not both.
17. The AN/APS-94F (CPO) is a retrofit replacement for the AN/APS-94D (CPO).
18. The AN/AKT-18B (CPO) is a retrofit replacement for the AN/AKT-18A (CPO).
19. The AN/USQ-61A(CPO) and AT-256 are retrofit replacements for the AN/USQ-61 (CPO) and AT-450.
20. Provisions for the AN/ADR-6 are removed when provisions for the AN/APS-94F and AN/AKT-18B are installed.
21. The AN/APR-39(CPO) is a retrofit replacement for the AN/ALR-46 (CPO).
22. The C-9326 and CM-440, part of the AN/APR-39(V)1 system are interchangeable with the C-10412 and CM-480, part of the AN/APR-39(V)2 system; therefore, either may be installed but not both.
23. Retrofit installation.
24. The ID-250 is installed in lieu of the ID-663 in a few aircraft.

Applicable Aircraft Avionics Manuals:

TM 11-1510-204-20/1 (Pertains to OV-1B)
TM 11-1510-204-20-1/1 (Pertains to OV-1C)
TM 11-1510-204-20-1/2 (Pertains to OV-1C)
TM 11-1510-204-20/2 (Pertains to OV-1B)
TM 11-1510-204-20P-1 (Pertains to OV-1D)
TM 11-1510-204-20P-2 (Pertains to OV-1D)
TM 11-1510-204-34-2-1 (Pertains to OV-1D)
TM 11-1510-204-34-2-2 (Pertains to OV-1D)
TM 11-1510-204-34P-1 (Pertains to OV-1D)
TM 11-1510-204-34P-2 (Pertains to OV-1D)
TM 11-1510-204-35-1 (Pertains to OV-1D)
TM 11-1510-204-35/1 (Pertains to OV-1D)
TM 11-1510-204-35/2 (Pertains to OV-1D)
TM 11-1510-213-20-1 (Pertains to OV-1D)
TM 11-1510-213-20-2 (Pertains to OV-1D)
TM 11-1510-213-20P (Pertains to OV-1D)
TM 11-1510-213-34 (Pertains to OV-1D)
TM 11-1510-213-34P Pertains to OV-1D)

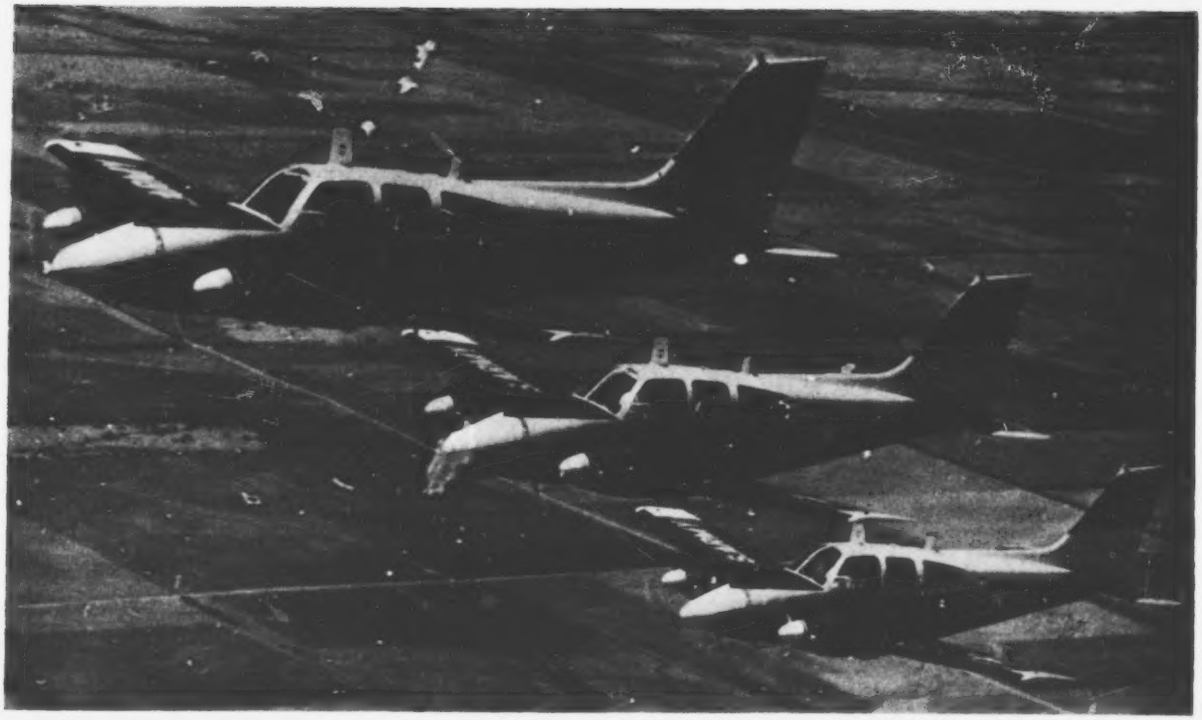


Figure 228. T-42 COCHISE

AVIONICS CONFIGURATION

The following configuration depicts a typically configured T-42A. The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	T-21A				
INTERCOM						
C-1611( )/AIC	Intercom Control	4				
UHF/AM RADIO						
AN/ARC-51BX consisting of:	Radio Set					
C-6287/ARC-51BX	Control	1				
HD-615/ARC-51X	Cooler	1				
ID-1003/ARC	SWR Indicator	1				
MT-2653/ARC	Mount	1				
RT-742( )/ARC	Receiver-Transmitter	1				
AT-1108/ARC	VHF/UHF Antenna	[1]1				
VHF/AM RADIO						
AN/ARC-111 consisting of:	Radio Set					
AM-4489/ARC-111	Amplifier-Power Supply	[2]1				
MT-3592/ARC-111	Mount (AM-4489)	[2]1				
RT-802/ARC-111	Receiver-Transmitter	[2]1				
T-366/ARC	Transmitter	[2]1				
MT-1142/ARC	Mount (T-366)	[2]1				
DY-86/ARN-30	Dynamotor	[2]1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	U-8F	U-8F (MODERNIZED)			
DY-86/ARN-30	Dynamotor	[2]1				
F-726/AR	Filter	[2]1				
VHF-20( )	Radio Set	[2]1				
G-4582	Control	[2]1				
AT-1108/ARC	VHF/UHF Antenna	[1]1				
GYRO COMPASS						
C-14 consisting of:	Compass System					
2587193-4	Gyro-Sync Assembly	[3]1				
656520	Flux Valve	[3]1				
1783867-1	Servo Amplifer	[3]1				
AN/ASN-43 consisting of:	Gyro Compass Set					
CN-405/SN	Compensator	[3]1				
CN-998( )/ASN	Directional Gyro	[3]1				
T-611/ASN	Compass Transmitter	[3]1				
AM-3209/ASN	Servoamplifier	[3]1				
ADF						
AN/ARN-59 consisting of:	Direction Finder Set					
AT-780/ARN	Loop Antenna	1				
C-2275/ARN	Control	1				
DY-150/ARN	Dynamotor	1				
MT-2018/ARN	Mount (R-836)	1				
MT-2019/ARN	Mount (DY-150)	1				
R-836/ARN	Receiver	1				
VOR/MB/GS						
AN/ARN-30D consisting of:	Receiving Set (VOR)					
C-3436/ARN-30E	Control	[4]2				
CV-265A/ARN-30A	Converter	[4]2				
ID-453/ARN-30	Course Indicator	[4]2				
MT-1174/ARN-30A	Mount (R-102)	[4]2				
MT-1175/ARN-30A	Mount (CV-265)	[4]2				
PP-2792/ARN-30D	Power Supply	[4]2				
R-1021/ARN-30D	Receiver	[4]2				
CV-1275/ARN	Converter	[4]2				
MT-2659/ARN	Mount (CV-1275)	[4]2				
R-844/ARN-58	Receiving Set (MB/GS)	[4]1				
ID-1347C/ARN-82	Course Indicator	[4]2				
AN/ARN-123(V)1 consisting of:	Receiving Set (VOR/MG/GS)					
C-10048/ARN-123(V)	Control	[4]2				
MT-4834/ARN-123(V)	Mount	[4]2				
R-2023/ARN-123(V)	Receiver	[4]2				
A-138	VOR Antenna	1				
AT-640( )/ARN	MB Antenna	1				
DME						
AN/ARN-124 consisting of:	DME Set					
ID-2192/ARN-124	Control Indicator	[5]1				
MT-6034/ARN-124	Mount	[5]1				
RT-1294/ARN-124	Receiver-Transmitter	[5]1				
IDENTIFICATION						
AN/APX-72 consisting of:	Transponder Set					
C-6280A(P)/APX	Control	1				
MT-3809/APX-72	Mount	1				
RT-859( )/APX-72	Transponder	1				
AT-884( )/APX	Antenna	1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	T-42A				
POWER SOURCES						
BB-432( )/A	Battery	1				
PU-542( )/A	Inverter	1				
MISCELLANEOUS						
ID-250( )/ARN	Radio Magnetic Indicator	1				
ID-998/ASN	Radio Magnetic Indicator	1				

NOTES:

1. The AT-1108 is used with both UHF/AM and VHF/AM systems.
2. The VHF-20( ) is a retrofit replacement for the AN/ARC-111 and T-366 systems.
3. The AN/ASN-43 and AM-3209 are retrofit replacements for the C-14 system.
4. The AN/ARN-123 and ID-1347 are retrofit replacements for the AN/ARN-30, CV-1275 and R-844.
5. Retrofit instalation.

GENERAL NOTE: Commercial equivalents of the military nomenclatured equipment may be installed in some aircraft.

Applicable Aircraft Avionics Manuals: DA publications are not available. Refer to applicable commercial literature.

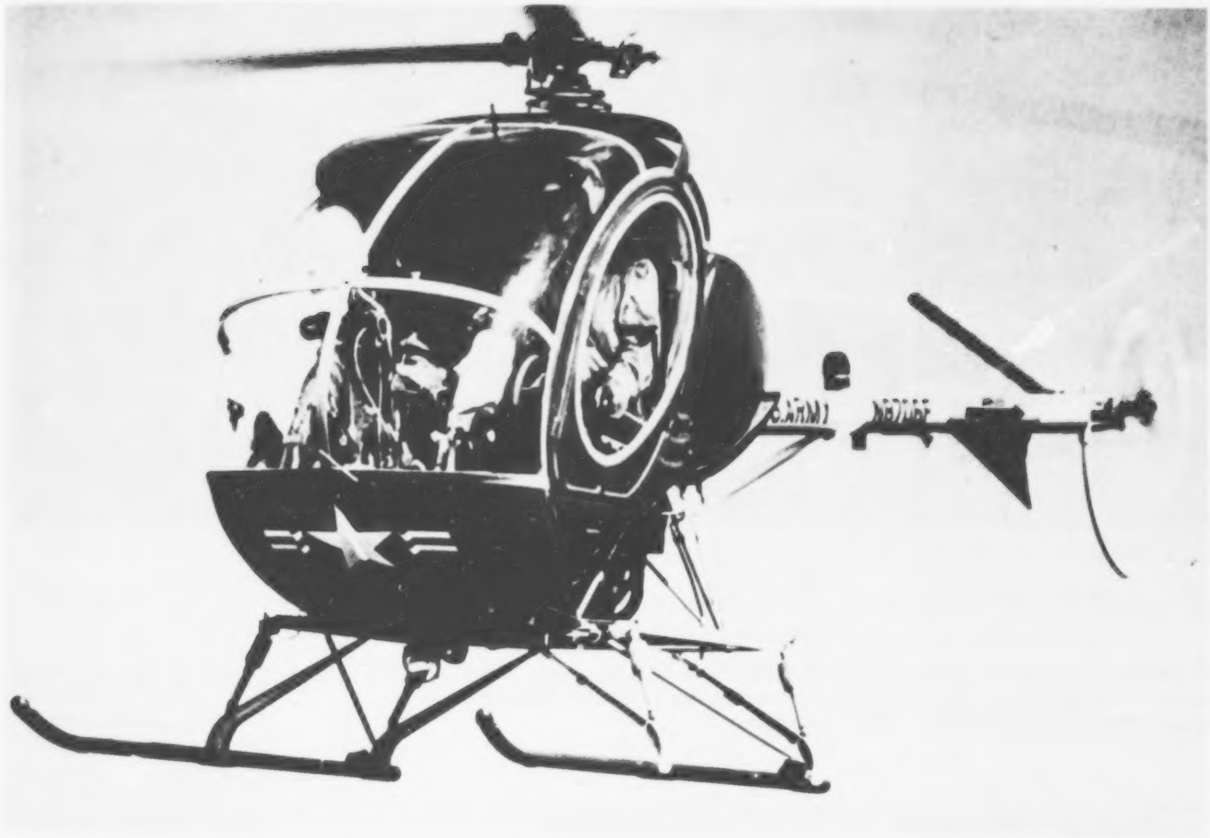


Figure 229. TH–55A OSAGE

AVIONICS CONFIGURATION

FUNCTION/TYPE NUMBER	NOMENCLATURE	TH–55A				
INTERCOM						
KMA–24H (King)	Intercom Control	1				
VHF/AM RADIO						
KTR–908 (King)	Receiver-Transmitter	1				
KFS–598 (King)	Control	1				

Applicable Aircraft Avionics Manuals: DA Publications are not available. Refer to applicable commercial literature.

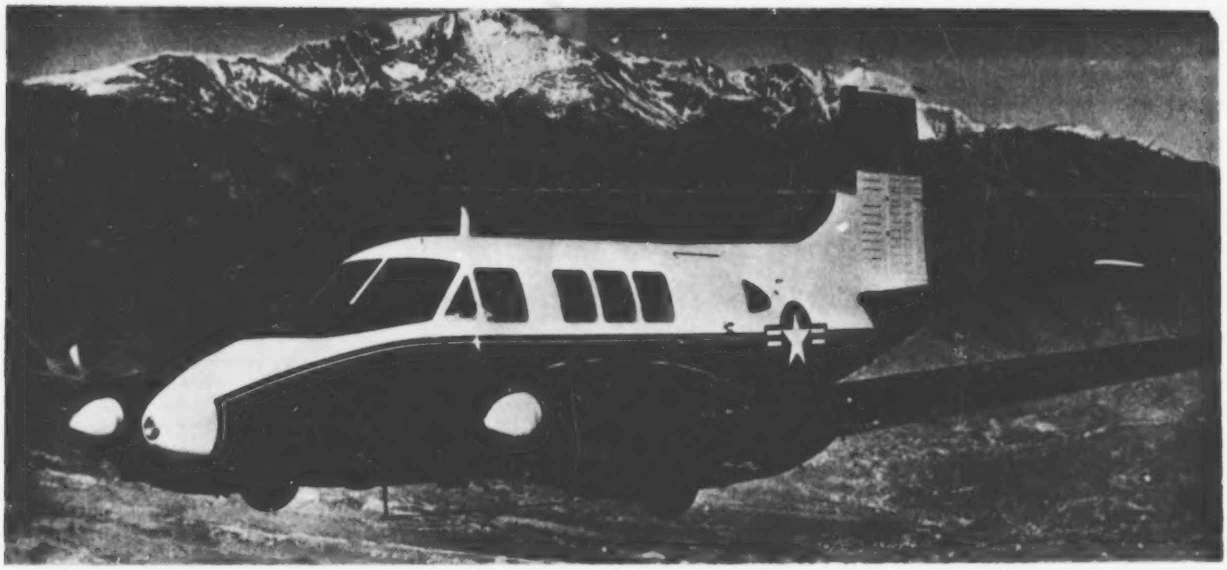


Figure 230. U-8F Seminole

AVIONICS CONFIGURATION

The following configuration depicts a typically configured U-8F. The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	U-8F				
INTERCOM						
KMA-24H-65 (King)	Intercom Control	2				
UHF/AM RADIO						
*AN/ARC-51BX	Radio Set	CPO				
VHF-AM RADIO						
KY-196 (King)	Radio Set	2				
VHF-FM RADIO						
*AN/ARC-54/131	Radio Set	CPO				
ADF						
KR-87 (King)	Automatic Direction Finder	1				
VOR/LOC						
KN-53 (King)	VOR/LOC Receiver	1				
KN-72 (King)	VOR/LOC Converter	1				
MARKER BEACON						
KR-21 (King)	Receiver (MB)	1				
TACAN/DME						
KN-62A (King)	Navigation Set	[1]1				
KDI-572 (King)	DME Indicator	1				
IDENTIFICATION						
*AN/APX-72	Transponder Set	CPO				
*KIT-1A/TSEC	IFF Computer	CPO				
*TS-1843( )/APX	Test Set	CPO				
KT-76A (King)	Transponder Set	1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	U–8F				
INTEGRATED NAV						
KNS–80 (King)	Integrated Nav Sys	[1]1				
WEATHER RADAR						
KWX–56 (King)	Weather Radar Set	1				
FLIGHT CONTROL						
KFC–200 (King)	Auto Pilot Sys.	1				
POWER SOURCES						
PC–250	Static Inverter	2				
MISCELLANEOUS						
KG–258 (King)	Attitude Indicator	1				
KI–204 (King)	Course Indicator	1				
KI–582 (King)	Radio Mag. Indicator	2				

NOTE: 1. Some aircraft may have the KTU–709 TACAN installed in lieu of the KN–62A and the KSN 8130 in lieu of the KNS–80 INS.

GENERAL NOTE: All equipments except those identified with an asterisk are non-standard. Support for these equipments are the responsibility of the user.

APPLICABLE AIRCRAFT AVIONICS MANUALS:

TM 11–1510–201–20
TM 11–1510–201–20P
TM 11–1510–201–20P–2
TM 11–1510–201–34P–2
TM 11–1510–201–35
TM 11–1510–201–35P

There are no plans to update these manuals to include the non-standard equipments.

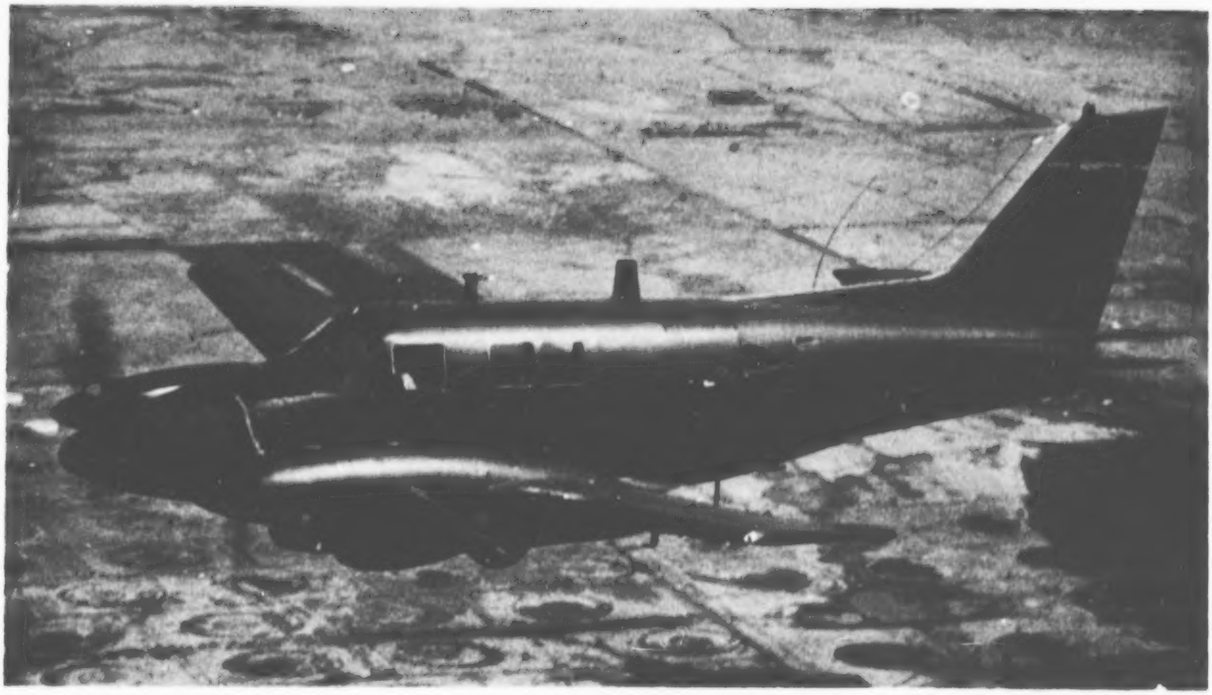


Figure 231. U21A UTE

AVIONICS CONFIGURATION

The following configuration depicts a typically configured U–21( )/RU–21( ). The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	U–21A/D/G/H	RU–21A	RU–21B	RU–21C	RU–21H
INTERCOM						
C–1611( )/AIC	Intercom Control		2	2	2	2
KMA–24H	Intercom Control	2				
UHF–AM RADIO						
AN/ARC–51BX consisting of:	Radio Set					
C–6287/ARC–51BX	Control	CPO	1	1	1	
HD–615/ARC–51X	Cooler	CPO	1	1	1	
ID–1003/ARC	SWR Indicator	CPO	1	1	1	
MT–2653/ARC	Mount	CPO	1	1	1	
RT–742( )/ARC	Receiver-Transmitter	CPO	1	1	1	
AT–1108/ARC	VHF/UHF Antenna	CPO	[1]1	[1]1	[1]1	[1]1
RT–1167/ARC–164	Radio Set					1
VHF/AM RADIO						
AN/ARC–134( ) consisting of:	Radio Set					
C–7197/ARC–134	Control		1	1	1	1
MT–3791( )/ARC–134	Mount		1	1	1	1
RT–857/ARC–134	Receiver-Transmitter		1	1	1	1
AT–1108/ARC	VHF/UHF Antenna		[1]1	[1]1	[1]1	[1]1
KY–196 (King)	Radio Set	2				

FUNCTION/TYPE NUMBER	NOMENCLATURE	U-21A/D/G/H	RU-21A	RU-21B	RU-21C	RU-21H
VHF/FM RADIO						
AN/ARC-54 consisting of:	Radio Set					
C-3835/ARC-54	Control	CPO	[2]1	[2]1	[2]1	[2]1
MT-1535/ARC-54	Mount	CPO	[2]1	[2]1	[2]1	[2]1
RT-348/ARC-54	Receiver-Transmitter	CPO	[2]1	[2]1	[2]1	[2]1
AN/ARC-131 consisting of:						
C-7088/ARC-131	Control	CPO	[2]1	[2]1	[2]1	[2]1
MT-3664/ARC-131	Mount	CPO	[2]1	[2]1	[2]1	[2]1
RT-823/ARC-131	Receiver-Transmitter	CPO	[2]1	[2]1	[2]1	[2]1
AS-1703/AR	FM Comm Antenna	CPO				
CU-942( )/ARC	FM Antenna Coupler	CPO				
AS-1922/ARC	FM Homing Antenna		1	1	1	1
AS-2285/ARC	FM Com Antenna		1	1	1	1
HF RADIO						
AN/ARC-102 consisting of:	Radio Set					
C-3940/ARC-94	Control	CPO	1	1	CPO	1
RT-698/ARC-102	Receiver-Transmitter	CPO	1	1	CPO	1
50-345772	Mount	CPO	[3]1	[3]1	[3]CPO	[3]1
CU-1658( )/A	Antenna Coupler	CPO	1	1	CPO	1
MT-3772A/A	Mount (CU-1658)	CPO	1	1	CPO	1
50-345615-601	HF Antenna		1	1	CPO	
50-346063	HF Antenna	[4]1				
91-340045-1	HF Antenna	[5]1			1	
SECURE VOICE						
MD-736/A	Signal Discriminator	2	2	2	2	3
Z-AHP	Control	CPO	CPO	CPO	CPO	CPO
Z-AHQ	Interface Adapter	CPO	CPO	CPO	CPO	CPO
TSEC/KY-58	Comm Security Set	CPO	CPO	CPO	CPO	CPO

FUNCTION/TYPE NUMBER	NOMENCLATURE	U–21A/D/G/H	RU–21A	RU–21B	RU–21C	RU–21H
GYRO COMPASS						
AN/ASN–43 consisting of:						
CN–405/ASN	Compensator		1	[8]1	[8]1	1
CN–998( )/ASN	Directional Gyro		1	[8]1	[8]1	1
T–611/ASN	Compass Transmitter		1	[8]1	[8]1	1
ADF						
AN/ARN–83 consisting of:	Direction Finder Set					
AS–1863/ARN–83	Loop Antenna		1	1	1	1
C–6899/ARN–83	Control		1	1	1	1
MT–3605/ARN–83	Mount		1	1	1	1
R–1391/ARN–83	Receiver		1	1	1	1
50–345812	ADF Sense Antenna		1	1	1	1
KR–87 (King)	Direction Finder Set	1				
VOR/ILS						
KN–53 (King)	Receiving Set (VOR/ILS)	1				
AS–580A/ARN	VOR/GS Antenna					[6]1
VT–10–02	VOR/GS Antenna		[6]2	[6]2	[6]2	
MB/GS						
R–1963/ARN	Radio Receiver (MB/GS)		1	1	1	1
MT–4835/ARN	Mount (R–1963)		1	1	1	1
AT–640( )/ARN	MB Antenna		1	1	1	1
AS–580A/ARN	VOR/GS Antenna					[6]1
VT–10–02	VOR/GS Antenna		[6]2	[6]2	[6]2	
KR–21 (King)	Radio Receiver (MB)	1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	U-21A/D/G/H	RU-21A	RU-21B	RU-21C	RU-21H
TACAN						
AN/ARN-103(V) consisting of:	Navigation Set (TACAN)					
C-8968/ARN-103(V)	Control					1
CV-2924(P)/ARN-103(V)	Signal Data Converter					1
MT-4411/ARN-103(V)	Mounting					1
RT-1057/ARN-103(V)	Receiver-Transmitter					1
AT-884( )/APX	Antenna		2	2	2	1
339D-1 (Collin)	Distance Indicator		1	1	1	1
RADAR ALTIMETER						
KRA-10A	Radar Altimeter	1				
AN/ARN-102 consisting of:	Navigation Set (TACAN)					
0046-101-5109	Receiver-Transmitter		1	1	1	
0046-101-5110	Control		1	1	1	
801000152	Mount		1	1	1	
KTU-709 (King)	TACAN Set	1				
INERTIAL NAVIGATION						
AN/ASN-86 consisting of:	Inertial Navigation Set					
CP-941/ASN-86	Navigation Computer		1	1	1	1
ID-1579/ASN-86	Control-Indicator		1	1	1	1
MT-4447/ASN-86	Mount (MX-8123)		1	1	1	1
MT-4075/ASN-86	Mount (CP-941)		1	1	1	1
MX-8123/ASN-86	Gyro Stabilized Platform		1	1	1	1
T-611/ASN	Compass Transmitter		1	1	1	1
CN-405/ASN	Compensator		1	1	1	1
T-992/A	True Airspeed Transmitter					1
KNS-81 (King)	Integrated Nav Sys	1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	U–21A/D/G/H	RU–21A	RU–21B	RU–21C	RU–21H
WEATHER RADAR						
AN/APN–158( ) consisting of:	Weather Radar Set					
AS–1520( )/APN–158	Antenna		[7]1	[7]1	[7]1	[7]1
C–4881/APN–158	Control		[7]1	[7]1	[7]1	[7]1
IP–724( )/APN–158	Azimuth Range & Indicator		[7]1	[7]1	[7]1	[7]1
MT–3068/APN–158	Mount (RT–711)		[7]1	[7]1	[7]1	[7]1
MT–3069/APN–158	Mount (SN–358)		[7]1	[7]1	[7]1	[7]1
RT–711( )/APN–158	Receiver-Transmitter		[7]1	[7]1	[7]1	[7]1
SN–358( )/APN–158	Synchronizer		[7]1	[7]1	[7]1	[7]1
AN/APN–215(V)1 consisting of:	Weather Radar Set					
AS–3451/APN–215(V)	Antenna	[7]1	[7]1	[7]1	[7]1	[7]1
ID–1376/APN–215(V)	Indicator	[7]1	[7]1	[7]1	[7]1	[7]1
MT–5203/APS–505	Mount	[7]1	[7]1	[7]1	[7]1	[7]1
kT–1352/APN–215(V)	Receiver-Transmitter	[7]1	[7]1	[7]1	[7]1	[7]1
IDENTIFICATION						
AN/APX–72 consisting of:	Transponder Set					
C–6280A(P)/APX	Control	CPO	1	1	1	1
MT–3809/APX–72	Mount	CPO	1	1	1	1
RT–859( )/APX–72	Transponder	CPO	1	1	1	1
TS–1843( )/APX	Test Set	CPO	1	1	1	1
MS–3513/APX	Mount (TS–1843)	CPO	1	1	1	1
AT–884( )/APX	Antenna	CPO	1	1	1	1
MT–3949A/U	Mount (KIT–1A)	CPO	1	1	1	1
KIT–1A/TSEC	IFF Computer	CPO	CPO	CPO	CPO	CPO
KT–76A	Transponder Set	1				

FUNCTION/TYPE NUMBER	NOMENCLATURE	U–21A/D/G/H	RU–21A	RU–21B	RU–21C	RU–21H
AUTOPILOT						
H–14	Automatic Flight Control System		1	1	1	1
KFC–250 (King)	Auto Pilot	1				
ATTITUDE INDICATING						
MD–1	Displacement Gyro		[a]1	[a]1	[a]1	1
MC–1	Rate Gyro		[a]1	[a]1	[a]1	1
RADAR WARNING						
AN/APR–39(V)1 consisting of:	Radar Signal Detecting Set					
AS–2890/APR–39(V)	Blade Antenna		[a]CPO	[a]CPO	[a]CPO	[a]CPO
AS–2891/APR–39(V)	Right Spiral Antenna (2 ea)		[a]CPO	[a]CPO	[a]CPO	[a]CPO
AS–2892/APR–39(V)	Left Spiral Antenna (2 ea)		[a]CPO	[a]CPO	[a]CPO	[a]CPO
C–9325/APR–39(V)	Control		[a]CPO	[a]CPO	[a]CPO	[a]CPO
CM–440/APR–39(V)	Comparator		[a]CPO	[a]CPO	[a]CPO	[a]CPO
IP–1150/APR–39(V)	Indicator		[a]CPO	[a]CPO	[a]CPO	[a]CPO
R–1838/APR–39(V)	Receiver (2 ea)		[a]CPO	[a]CPO	[a]CPO	[a]CPO
AN/APR–44(V) 3 consisting of:	Radar Signal Detecting Set					
AS–3266/APR–44(V)	Antenna (4 ea)		[a]CPO	[a]CPO	[a]CPO	[a]CPO
C–10387/APR–44(V)	Control		[a]CPO	[a]CPO	[a]CPO	[a]CPO
F–1503/APR–44(V)	Low Pass Filter		[a]CPO	[a]CPO	[a]CPO	[a]CPO
R–2097/APR–44(V)	Receiver		[a]CPO	[a]CPO	[a]CPO	[a]CPO
R–2098/APR–44(V)	Receiver		[a]CPO	[a]CPO	[a]CPO	[a]CPO

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FUNCTION/TYPE NUMBER	NOMENCLATURE	U–21A/D/G/H	RU–21A	RU–21B	RU–21C	RU–21H
POWER SOURCES						
BB–433( )/A	Battery	1	1			1
E551–11220–6	Battery			1	1	
50–34576–1	Main Inverter		[9]1	[9]1	[9]1	
50–345764–2	Standby Inverter		[9]1	[9]1	[9]1	
50–345764–5	Main Inverter					[9]1
50–345764–6	Standby Inverter					[9]1
PU–544( )/A	INS Inverter					1
MGH 229–100	INS Inverter		1	1	1	
PC–17A	Static Inverter	2				
MISCELLANEOUS						
AM–3209/ASN	Servoamplifier		1	1	1	1
ID–250( )/ARN	Radio Magnetic Indicator					2
ID–351B/ARN	Course Indicator		[10]1	[10]1	[10]1	[10]1
ID–387/ARN	Course Indicator		[10]1	[10]1	[10]1	[10]1
ID–998/ASN	Radio Magnetic Indicator			1		1
50345974	Radio Magnetic Indicator			[11]1	[11]1	
AN/ARA–50 consisting of:	UHF Direction Finder Set					
AM–3624/ARA–50	Amplifier		CPO	CPO	CPO	
AS–909/ARA–48	Loop Antenna		CPO	CPO	CPO	
MT–1955/ARA–50	Mount (AM–3624)		CPO	CPO	CPO	
KI–525A (King)	Horiz. Situation Ind.	1				
KG–102A (King)	Gyro	1				
KMT–112 (King)	Flux Valve	1				
KDI–573 (King)	Slave DME Ind.	1				
KNI–582 (King)	RMI	2				
KN–72 (King)	VOR/LOC Converter	1				

NOTES:

1. The AT–1108 is used with both the VHF/AM and UHH/AM systems.
2. The AN/ARC–54 and AN/ARC–131 are interchangeable; therefore, either may be installed but not both.
3. Made from PP–3702/ARC–102.
4. Installed in U–21A only.
5. Installed in U–21G only.
6. Used with both the VOR and Glide Scope systems.
7. The AN/APN–215 system is a retrofit replacement for the AN/APN–158 system.
8. Retrofit installation.
9. Made from PU–545/A.
10. The ID–351B and ID–387 are interchangeable; therefore, either may be installed but not both.
11. Made from ID–998/ASN.

GENERAL NOTE: Starting in FY 87 the U–21( ) aircraft, including the avionic systems, will be supported under an AVSCOM/contractor logistics support program.

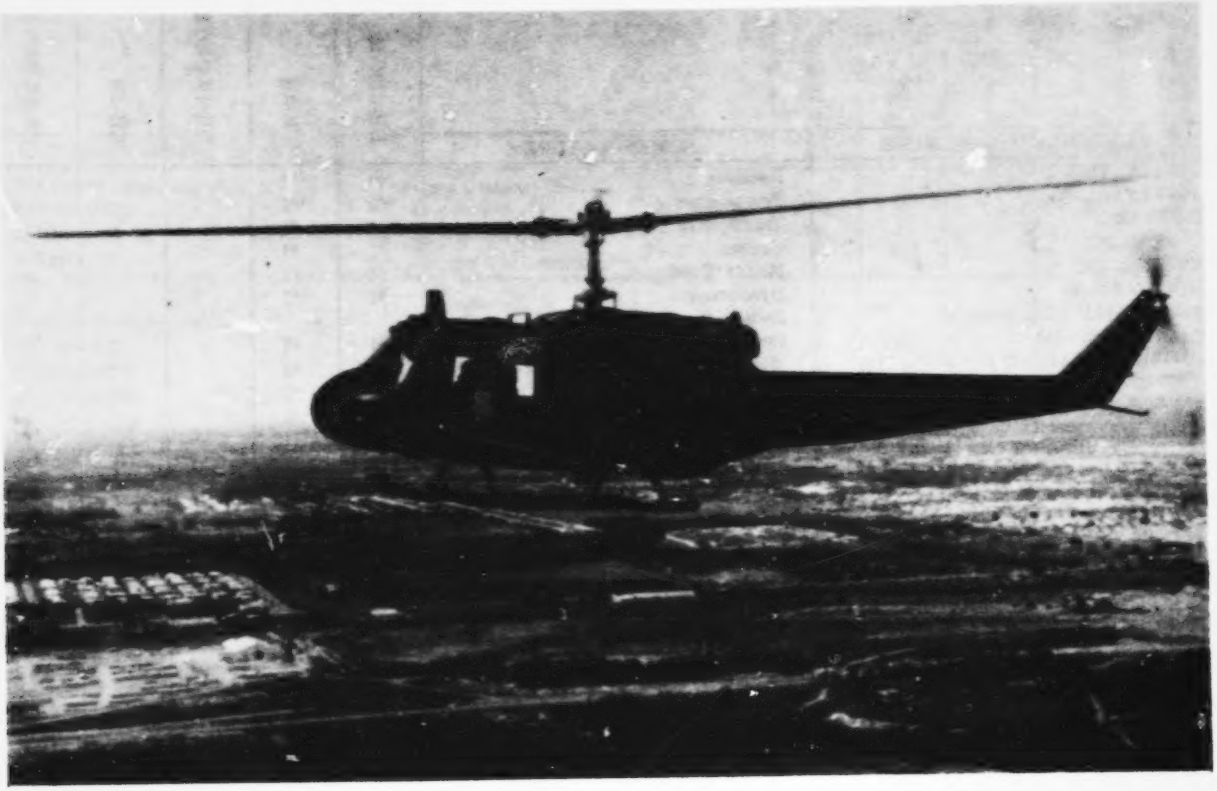

Figure 232. UH-1H IROQUOIS

AVIONICS CONFIGURATION

The following configuration depicts a typically configured UH-1( )/EH-1( ). The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH-1B/C/M	UH-1H	UH-1V (NOTE 1)	EH-1H	EX-1X (NOTE 2)
INTERCOM						
C-1611( )/AIC	Intercom Control	4	[3]4		2	2
C-6533/ARC	Intercom Control		[3]4			
UHF/AM RADIO						
AN/ARC-51BX consisting of:	Radio Set					
C-6287/ARC-51BX	Control	[4]1	[4]1		1	
HD-615/ARC-51X	Cooler	[4]1	[4]1		1	
ID-1003/ARC	SWR Indicator	[4]1	[4]1		1	
MT-2653/ARC	Mount	[4]1	[4]1		1	
RT-742( )/ARC	Receiver-Transmitter	[4]1	[4]1		1	
AT-1108/ARC	VHF/Antenna	[5]1	[5]1		[5]1	[5]1
RT-1167/ARC-164	Radio Set					1
VHF/AM RADIO						
AN/ARC-73A consisting of:	Radio Set					
C-4074/ARC-73A	Control	[4,6]1	[4,6]1			
MT-2699/ARC-73	Mount	[4,6]1	[4,6]1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH-1B/C/M	UH-1H	UH-1V (NOTE 1)	EH-1H	EX-1X (NOTE 2)
R-1123/ARC-73	Receiver	[4,6]1	[4,6]1			
T-879/ARC-73	Transmitter	[4,6]1	[4,6]1			
T-366/ARC	Transmitter	[6]1	[6]1			
C-4209/ARC	Control	[6]1	[6]1			
MT-1142/ARC	Mount (T366)	[6]1	[6]1			
DY-86/ARN-30	Dynamotor	[6]1	[6]1			
AN/ARC-134( ) consisting of:	Radio Set					
C-7197/ARC-134	Control	[6]1	[6]1		1	
MT-3791( )/ARC-134	Mount	[6]1	[6]1		1	
RT-857/ARC-134	Transitter	[6]1	[6]1		1	
AN/ARC-115( )	Radio Set	[6,7]1	[6,7]1			[7]1
RT-1354/ARC/186	Radio Set	[6,7]1	[6,7]1			[7]1
AT-1108/ARC	VHF/UHF Antenna	[5]1	[5]1		[5]1	[5]1
VHF/FM RADIO						
AN/ARC consisting of:	Radio Set (#1 FM)					
C-3835/ARC-54	Control	[8]1	[8]1			
MT-1535/ARC-54	Mount	[8]1	[8]1			
RT-348/ARC-54	Receiver-Transmitter	[8]1	[8]1			
AN/ARC-131 consisting of:	Radio Set (#1 FM)					
C-7088/ARC-131	Control	[8]1	[8]1		1	
MT-3664/ARC-131	Mount	[8]1	[8]1		1	
RT-823/ARC-131	Receiver-Transmitter	[8]1	[8]1		1	
AN/ARC-114( )	Radio Set (#2 FM)	[9]CPO	[9]CPO			1
AS-1703/AR	FM Comm Antenna	[10]1	[10]1			
CU-942( )/ARC	FM Antenna Coupler	[10]1	[10]1			
FM 10-30-1	FM Comm Antenna	[10]1	[10]1			1
AS-3352/ARC	FM Comm Antenna				1	
CU-2239/ARC	FM Antenna Coupler				1	
AS-1922/ARC	FM Homing Antenna	1	1			
AS-3350/ARC	FM Homing Antenna (RH)				1	1
AS-3351/ARC	FM Homing Antenna (LH)				1	1
HF RADIO						
AN/ARC-102 consisting of:	Radio Set					
C-3940/ARC	Control	CPO	CPO			
PP-3702/ARC-102	Inverter-Mounting	CPO	CPO			
RT-698/ARC-102	Receiver-Transmitter	CPO	CPO			
CU-991/AR	HF Antenna Coupler	CPO	[11]CPO			
CU-1658( )/A	HF Antenna Coupler		[11]CPO			
MT-1719/AR	Mount (CU-991)	CPO	[11]CPO			
MT-3772/A	Mount (CU-1658		[11]CPO			
205-706-027-1	HF Antenna	CPO	CPO			
SECURE VOICE						
MD-736/A	Signal Discriminator	4	[3]4		5	4
MD-1047/A	Audio Threshold Device		[3]1			
MT-3802/ARc	Mount	1	1		1	1
C-8157/ARC	Control-Indicator	[12]1	[12]1		[12]1	[12]1
Z-AHP	Remote Control Unit	[12]1	[12]1		[12]1	[12]1
Z-AHQ	Interface Adapter	[12]1	[12]1		[12]1	[12]1
TSEC/KY-28	Comm Security Set	[12]CPO	[12]CPO		[12]CPO	[12]CPO
TSEC/KY-58	Comm Security Set	[12]CPO	[12]CPO		[12]CPO	[12]CPO
GYRO COMPASS						
J-2 consisting of:	Gyro Compass Set					
A-2	Amplifier	[13]1	[13]1			
CN-405/ASN	Compensator	[13]1	[13]1			
S-3( )	Gyro Control	[13]1	[13]1			
T-611/ASN	Compass Transmitter	[13]1	[13]1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH-1B/C/M	UH-1H	UH-1V (NOTE 1)	EH-1H	EX-1X (NOTE 2)
AN/ASN-43 consisting of:	Gyro Compass Set					
CN-405/ASN	Compensator	[13]1	[13]1		1	1
CN-998( )/ASN	Directional Gyro	[13]1	[13]1		1	1
T-611/ASN	Compass Transmitter	[13]1	[13]1		1	1
ADF						
AN/ARN-50 consisting of:	Direction Finder Set					
AT-780/ARN	Loop Antenna	[14]1	[14]1			
C-2275/ARN	Control	[14]1	[14]1			
DY-150/ARN	Dynamotor	[14]1	[14]1			
MT-2018/ARN	Mount (R-836)	[14]1	[14]1			
MT-2019/ARN	Mount (DY-150)	[14]1	[14]1			
R-836/ARN	Receiver	[14]1	[14]1			
AN/ARN-83 consisting of:	Direction-Finder Set					
AS-1863/ARN-83	Loop Antenna	[14]1	[14]1		1	1
C-6899/ARN	Control	[14]1	[14]1		1	1
MT-3605/ARN-83	Mount	[14]1	[14]1		1	1
R-1391/ARN-83	Receiver	[14]1	[14]1		1	1
205-075-325-1	ADF Sense Antenna		1		1	1
204-075-328-1	ADF Sense Antenna	1				
VOR/MG/GS						
AN/ARN-30E consisting of:	Receiving Set (VOR)					
C-3436A/ARN-30E	Control	[15]1	[15]1			
CV-265A/ARN-30A	Converter	[15]1	[15]1			
ID-453/ARN-30	Course Indicator	[15]1	[15]1			
MT-1174/ARN-30	Mount (R-1021)	[15]1	[15]1			
MT-1175/ARN-30A	Mount (CV-265)	[15]1	[15]1			
P-2792/ARN-30D	Power Supply	[15]1	[15]1			
R-1021/ARN-30D	Receiver	[15]1	[15]1			
CV-1275/ARN	Converter	[15]1	[15]1			
MT-2659/ARN	Mount (CV-1275)	[15]1	[15]1			
AN/ARN-82( ) consisting of:	Receiving Set (VOR)					
C-6873B/ARN-82	Control	[15]1	[15]1		1	
ID-1347C/ARN-82	Course Indicator	[15]1	[15]1		1	1
MT-3600/ARN-82	Mount	[15]1	[15]1		1	
R-1388( )/ARN-82	Receiver	[15]1	[15]1		1	
AS-1304/ARN	VOR Antenna	1	1		1	1
R-1041( )/ARN	Radio Receiver (MB)	CPO	CPO		CPO	
MT-2292/ARN	Mount (R-1041)	CPO	CPO		CPO	
AT-640( )/ARN	MB Antenna	1	1		1	1
R-1963/ARN	Radio Receiver (MB/GS)			[16]1		
MT-4835/ARN	Mount (R-1963)			[16]1		
AN/ARN-123(V)3 consisting of:	Receiving Set (VOR/MG/GS)					
C-10048/ARN-123(V)	Control					1
MT-4980/ARN-123(V)	Mount					1
R-2023/ARN-123(V)	Receiver					1
AS-3188/ARN	GS Antenna			[16]1		1
DME						
AN/ARN-124 consisting of:	DME Set					
ID-2192/ARN-124	Control Indicator			[16]1		
MT-6034/ARN-124	Mount			[16]1		
RT-1294/ARN-124	Receiver-Transmitter			[16]1		
AT-741( )/A	Antenna			[16]1		

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH-1B/C/M	UH-1H	UH-1V (NOTE 1)	EH-1H	EX-1X (NOTE 2)
TACAN						
AN/ARN-103(V)1 consisting of:	TACAN Set					
C-8968 ARN-103(V)	Control					1
CV-2924(P)/ARN-103(V)	Signal Data Converter					1
MT-4411/ARN-103(V)	Mount					1
RT-1057/ARN-103(V)	Receiver-Transmitter					1
AT-741( )/A	Antenna					2
SA-521/A	Switch Assembly					1
MT-1995/A	Mount (SA-521)					1
INERTIAL NAVIGATION						
AN/ASN-86 consisting of:	Inertial Navigation Set					
CP-941/ASN-86	Navigation Computer					1
ID-1579/ASN-86	Control-Indicator					1
MT-4447/ASN-86	Mount (MX-8123)					1
MT-4075/ASN-86	Mount (CP-941)					1
MX-8123/ASN-86	Gyro Stabilized Platform					1
CN-405/ASN	Compensator					1
T-611/ASN	Compass Transmitter					1
RADAR ALTIMETER						
AN/APR-209( )(V)( ) consisting of:	Radar Altimeter Set					
AS-2595/APN-194(V)	Antenna			[15]1		2
ID-1917/APN-209(V)	Height Indicator			[15]1		
RT-1115( )/APN-209(V)	Receiver-Transmitter-Height Indicator			[15]1		1
IDENTIFICATION						
AN/APX-72 consisting of:	Transponder Set					
C-6280A(P)/APX	Control	1	1		1	1
MT-3809/APX-72	Mount	1	1		1	1
MT-859( )/APX-72	Transponder	1	1		1	1
MT-3513/APX	Mount (TS-1843)	1	1		1	1
TS-1843( )/APX	Test Set	1	1		1	1
AT-884( )/APX	Antenna	1	1		1	1
MT-3949A/U	Mount (KIT-1A)	1	1		1	1
KIT-1A/TSEC	IFF Computer	CPO	CPO		CPO	CPO
ATTITUDE INDICATING						
MD-1	Displacement Gyro	1	1		1	1
MC-1	Rate Gyro	[17]1	[17]1		[17]1	
AN/APR-39(V)1 consisting of:	Radar Signal Detecting Set					
AS-2890/APR-39(V)	Blade Antenna		[16]CPO		CPO	CPO
AS-2891/APR-39(V)	Right Spiral Antenna (2 ea)		[16]CPO		CPO	CPO
AS-2892/APR-39(V)	Left Spiral Antenna (2 ea)		[16]CPO		CPO	CPO
C-9326/APR-39(V)	Control		[16]CPO		CPO	CPO
CM-440/APR-39(V)	Comparator		[16]CPO		CPO	CPO
IP-1150/APR-39(V)	Indicator		[16]CPO		CPO	CPO
R-1838/APR-39(V)	Receiver (2 ea)		[16]CPO		CPO	CPO
AN/APR-44(V)1 consisting of:	Radar Signal Detecting Set					
AS-3266/APR-44(V)	Antenna (2 ea)				CPO	CPO
C-10387/APR-44(V)	Control				CPO	CPO
F-1503/APR-44(V)	Low Pass Filter				CPO	CPO
R-2097/APR-44(V)	Radar Receiver				CPO	CPO
PROXIMITY WARNING						
YG-1054D1 consisting of:	Proximity Warning System					
10027834-101	Antenna	[18]2	[18]2			
HG-10001-AD01	Receiver-Transmitter	[18]1	[18]1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH-1B/C/M	UH-1H	UH-1V (NOTE 1)	EH-1H	EX-1X (NOTE 2)
COUNTERMEASURES						
AN/ALQ-144(V) consisting of	Countermeasures Set					
C-10280/ALQ-144	Control					CPO
CY-7611/ALQ-144	Transit Case					CPO
T-1360(V)1/ALQ-144	Transmitter					CPO
AN/ARQ-33A consisting of	Countermeasures Set					
AB-1264/ARQ-33	Base				1	
AN/APN-171A(V)1	Radar Altimeter Set				1	
AN/ARC-131	VHF/FM Radio Set				1	
AN/GLR-9(V)11	Receiving Set				1	
AN/TLQ-17A(V)2	Countermeasure Set				1	
AN/UNH-16A	Recorder/Reproducer				2	
AS-1703/AR	Antenna				1	
AS-3381/ARQ-33	Antenna				1	
C-1611D/AIC	Intercomm Set				3	
C-8157/ARC	Control-Indicator				1	
C-8882/ARQ-33	Control-Indicator				1	
C-8883/ARQ-33	Control-Indicator				1	
C-8983/ARQ-33	Control-Indicator				1	
CU-2245/ARQ-33	Antenna Coupler				1	
ID-1825/ARQ-33	Indicator-Panel				1	
J-3038/ARQ-33	Interconnecting Box				1	
J-3054/ARQ-33	Interconnecting Box				1	
J-3686/ARQ-33	Interconnecting Box				1	
MT-3802/ARC	Mount				1	
MT-4424/ARQ-33	Rack				1	
MT-4425/ARQ-33	Rack				1	
MT-4426/ARQ-33	Rack				1	
OJ-224A/ARQ-33	Console				1	
OJ-472/ARQ-33	Console				1	
RE-1078/ARQ-33	Relay Assembly				1	
RE-1124/ARQ-33	Relay Assembly				1	
SA-1823/ARQ-33	Switch Assembly				1	
SA-1862/ARQ-33	Foot Switch				2	
FM 10-30-1	Antenna				1	
AN/ALQ-151 consisting of:	Countermeasures Set					
AM-7121/ALQ-151	Amplifier					1
AN/UYH-1	Recorder/Reproducer Set					1
AN/UYK-19	Computer					1
AN/UYQ-10(V)1	Plasma Display					1
AS-3130/ALQ-151	Antenna					4
C-1611( )/AIC	Intercom Set					2
C-10026/USQ	Control-Indicator					1
C-10027/USQ	Control-Indicator					1
C-10050/USQ	Control-Indicator					1
C-10144/ALQ-151	Control-Indicator					1
C-11002/USQ	Control					1
F-1429/ALQ-151	Bandpass Filter					2
F-1515/ALQ-151	Low Pass Filter					1
ID-2090/ALQ-151	Panel Indicator					1
ID-2091/U	BDH Indicator					1
ID-1251/USQ	Panaramic Indicator					1
J-3400/ALQ-151	Distribution Box					1
J-3415/ALQ-151	Distribution Box					1
KY-836/ALQ-151	Keyboard					1
MX-9855/ALQ-151	DF Interface					1

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH-1B/C/M	UH-1H	UH-1V (NOTE 1)	EH-1H	EX-1X (NOTE 2)
MX-10250/USQ	Processor					1
MX-10251/USQ	Processor					1
OE-330/ALQ-151	Antenna Group					1
PP-6875A/UNH-16A	Power Supply					1
PP-7292A/USQ	Power Supply					1
PP-7293A/USQ	Power Supply					1
PP-7294A/USQ	Power Supply					1
PP-7472/TLQ-17A	Power Supply					1
R-2017/U	Receiver					2
R-2107/TLQ-17A	Receiver					1
RD-385A/UNH-16A	Recorder-Reproducer					1
RE-1131/ALQ-151	Relay Assembly					1
RT-1167/ARC-164	Radio Set					2
T-1386/TLQ-17A	Transmitter					1
TSEC/KG-45	Electronic Gey Generator					CPO
TSEC/KY-58	Comm Security Set					CPO
TT-580(V)1/U	Teleprinter					1
G-1169	Antenna					2
1951-1-1009	Power Line Filter					1
204-075-705-45	Caution Panel					1
3686-8000	Bite Antenna					1
5065792-1	Power Sensor					2
POWER SOURCES						
BB-433( )/A	Battery	1	1		1	1
PU-543( )/A	Inverter	2	2		2	2
MISCELLANEOUS						
AM-3209/ASN	Servoamplifier	1	1		1	1
ID-250( )/ARN	Radio Magnetic Indicator	1	1		1	1
ID-663C/U	Bearing-Distance-Heading Indicator					1
ID-998/ASN	Radio Magnetic Indicator	1	1		1	1
PP-7618/U	Power Supply (5V)			[16]2		
TD-1136/A	Tunable Diplexer					1
SA-2357/A	Switch Assembly					1

NOTES:

1. Only UH-1V peculiar avionics are listed. Other installed/CPO items will depend on the TMS of the aircraft for UH-1V designation.
2. The EH-1X was still in development at the time of this printing. Therefore, the configuration shown is proposed only, not firm.
3. The C-1611 was replaced by the C-6533 and the MD-736 was replaced by the MD-1047 beginning with FY 71 aircraft.
4. Provisions for the AN/ARC-51 and AN/ARC-73 are superimposed in UH-1B/C/M aircraft thru 66-15105 and UH-1H aircraft thru 66-16306; therefore, either radio system may be installed but not both.
5. The AT-1108 is used with both UHF/AM and VHF/AM systems.
6. The AN/ARC-73 and T-366 systems were replaced by the AN/ARC-134 beginning with 66-15106 UH-1B/C/M aircraft and in 66-16307 thru FY 70 UH-1H aircraft. The AN/ARC-115 replaced the AN/ARC-134 beginning with FY 71 UH-1H aircraft and is a retrofit replacement for the AN/ARC-73 and T-366 systems in both UH-1B/C/M and UH-1H aircraft so equipped.
7. The AN/ARC-115 and RT-1354/ARC-186 are interchangeable; therefore, either may be installed but not both.
8. The AN/ARC and AN/ARC-131 are interchangeable; therefore, either may be installed but not both.

9. Provisions for the AN/ARC–114 (#2 FM set) are standard in FY 71–76 UH–76 UH–1H aircraft. Provisions in all other aircraft may be added by a retrofit installation.
10. The AS–1703 and CU–942 are used with the AN/ARC–54/131 system and the FM 10–30–1 is used with the AN/ARC–114 system in all aircraft except FY 71–76 UH–1H aircraft in which the AS–1703 and CU–942 are used with the AN/ARC–114 and the FM 10–30–1 is used with the AN/ARC–54/131.
11. Provisions for the CU–991 and MT–1719 were replaced by provisions for the CU–1658 and MT–3772 beginning with FY 68 aircraft.
12. Either provisions for the KY–28 (including C–8157) or the KY–58 (including Z–AHP and Z–AHQ) are installed, not both.
13. The J–2 system was replaced by the AN/ASN–43 beginning with 66–15148 UH–1B/C/M aircraft and 66–16449 UH–1H aircraft. The CN–405 and T–611 are common to both.
14. The AN/ARN–59 system was replaced by the AN/ARN–83 beginning with 66–602 UH–1B/C/M aircraft and 66–746 UH–1H aircraft.
15. The AN/ARN–30 system (including the CV–1275) was replaced by the AN/ARN–82 beginning with 66–602 UH–1B/C/M aircraft and 66–746 UH–1H aircraft.
16. Retrofit Installation.
17. All UH–1( ) aircraft were orginally delivered with the MC–1 installed. However, it is presently being removed (with no replacement) during depot overhaul.
18. Equipment installed only in aircraft located at Ft. Bragg, Ft. Campbell, Ft. Hood and Ft. Rucker.

Applicable Aircraft Avionics Manuals:

TM 11–1520–207–20P (Pertains to UH–1B)
TM 11–1520–207–35P (Pertains to UH–1B)
TM 11–1520–210–20 (Pertains to UH–1H FY 63–70)
TM 11–1520–210–20–1 (Pertains to UH–1H FY 71 & Sub)
TM 11–1520–210–20P (Pertains to UH–1H FY 63–70)
TM 11–1520–210–20P–1 (Pertains to UH–1H FY 71 & Sub)
TM 11–1520–210–34–1 (Pertains to UH–1H FY 71 & Sub)
TM 11–1520–210–34P (Pertains to UH–1H FY 63–70)
TM 11–1520–210–34P–1 (Pertains to UH–1H FY 71 & Sub)
TM 11–1520–210–35 (Pertains to UH–1H/EH–1H)
TM 11–1520–211–20 (Pertains to UH–1B/C/M)
TM 11–1520–211–35 (Pertains to UH–1B/CM)
TM 11–1520–242–20P (Pertains to EH–1H)
TM 11–1520–242–30P (Pertains to EH–1H)

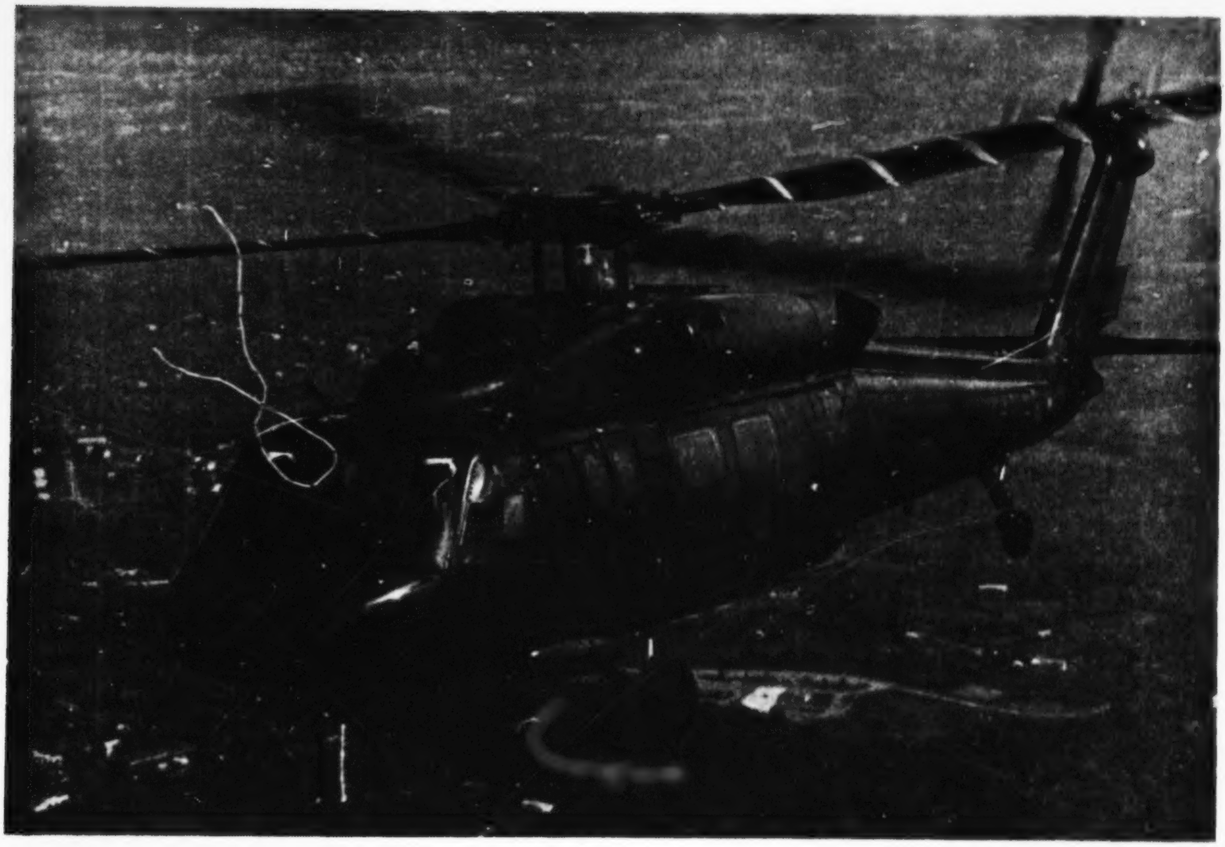

Figure 233. UH–60A Blackhawk

AVIONICS CONFIGURATION

The following configuration depicts a typically configured UH–60A/EH–60A. The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH–60A	EH–60A			
INTERCOM						
C–6533/ARC	Intercom Set	5	2			
UHF-AM RADIO						
RT–1167( )/ARC–164	Radio Set	1	1			
AS–3524/A	UHF Antenna	1	1			
VHF/AM RADIO						
AN/ARC–115( )	Radio Set	1				
RT–1354/ARC–186	Radio Set		[1,3]1			
F–1522/A	VHF Band Pass Filter	1	1			
706–01019–104	VHF Comm Antenna	[2]1	[2]1			
RT–1300A( )/ARC–186	Receiver-Transmitter	[3]1	1			
C–10604(V)6/ARC–186	Control (RT–1300/ARC–186)	[3]1	1			
MT–6051/ARC–186	Mount (RT–1300/ARC–186)	[3]1	1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH–60A	EH–60A			
VHF/FM RADIO						
AN/ARC–114( )	Radio Set (#1 FM)	[3]1				
AN/ARC–114( )	Radio Set (#2 FM)	[3]CPO				
AS–3522/A	#1 FM Homing Antenna (LH)	1	1			
AS–3523/A	#1 FM Homing Antenna (RH)	1	1			
CU–2284/A	#2 FM Antenna Coupler	[7]1				
F–1521/A (LPF–40–02B)	FM Low Pass Filter	[7]2				
70600–01010–104	#2 FM Antenna Coupler	[7]1	1			
70600–01011–113	FM Low Pass Filter	[7]2	1			
70600–01019–104	#2 FM Comm Antenna	[2]1	[2]1			
70600–06002–105	#1 FM Comm Antenna	1	1			
C–10604(V)6/ARC–186	Control (#1 FM)	[3]1	1			
C–10604(V)6/ARC–186	Control (#2 FM)	[3]CPO	CPO			
MT–6051/ARC–186	Mount	[3]2	2			
RT–1300A/ARC–186	#1 FM Receiver-Xmtr	[3]1	1			
RT–1300A/ARC–186	#2 FM Receiver-Xmtr	[3]CPO	CPO			
CM–482/ARC–186	FM Homing Unit (#1 FM)	[4]1	1			
SECURE VOICE						
S1660–60036–1	Mount	3	5			
Z-AHP	Remote Control Unit	[5]CPO	CPO			
Z-AHQ	Interface Adapter	[5]CPO	CPO			
TSEC/KY–58	Com Security Set	[5]CPO	CPO			
GYRO COMPASS						
AN/ASN–43 consisting of:	Gyro Compass Set					
CN–405/ASN	Compensator	1	1			
CN–998( )/ASN	Directional Gyro	1	1			
T–611/ASN	Compass Transmitter	1	1			
C–8021A/ASN–75	Compass Control	1	1			
ADF						
AN/ARN–89B consisting of:	Direction Finder Set					
AM–4859A/ARN–89	Amplifier	1	1			
AS–2108A/ARN–89	Loop Antenna	1	1			
C–7392A/ARN–89	Control	1	1			
R–1496A/ARN–89	Receiver	1	1			
70600–01019–104	Sense Antenna	[2]1	[2]1			
VOR/MB/GS						
AN/ARN–123(V)4 consisting of:	Receiving Set					
C–10048/ARN–123(V)	Control	1	1			
MT–4834/ARN–124(V)	Mount	1	1			
R–2139/ARN–123(V)	Receiver	1	1			
AS–3525/A	MB Antenna	1	1			
AS–3526/A	VOR Antenna	2	2			
AS–3527/A	GS Antenna	1	1			
DOPPLER NAVIGATION						
AN/ASN–128 consisting of:	Doppler Navigation Set					
CP–1252/ASN–128	Computer-Display Unit	1				
CV–3338/ASN–128	Signal Data Converter	1				
RT–1193/ASN–128	Receiver-Transmitter-Antenna	1				
RADAR ALTIMETER						
AN/APN–209( )(V)2 consisting of:	Radar Altimeter Set					
AS–2595( )/APN–194(V)	Antenna	2	2			
ID–1917( )/APN–209(V)	Height Indicator	1	1			
RT–1115( )/APN–209(V)	Receiver-Transmitter-Height Indicator	1	1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH–60A	EH–60A			
COMMAND INSTRUMENT SYS						
C–10998/A	HSI/VSI Mode Select Panel	2	2			
C–10999/A	CIS Mode Select Panel	1	1			
CP–1470/A	CIS Processor	1	1			
ID–2277( )/A	Vertical Situation Indicator	2	2			
ID–2278( )/A	Horizontal Situation Indicator	2	2			
MT–6226/A	Mount (CP–1470)	1	1			
INERTIAL NAVIGATION						
AN/ASN–132 consisting of:	Inertial Navigation Sys					
AN/UYK–64(V)2	Navigation Processor Unit		1			
AT–740/A	Antenna		1			
CN–1158/ASN	Std. Inertial Nav Sys		1			
CN–11097/ASN–132	Control Indicator		1			
CV–3739/ASN–132	Signal Data Converter		1			
MT–4915/A	Mount (RT–1159A)		1			
RT–1159A/ARN–118	Receiver-Transmitter		1			
105749	Mount (AN/UYK–64)		1			
880100–1	Mount (CN–1158/ASN–132)		1			
IDENTIFICATION						
RT–1296( )/APX–100	Transponder	1	1			
AS–3528/A	IFF Antenna	2	2			
MT–3949A/U	Mount (KIT–1A)	1	1			
KIT–1A/TSEC	IFF Computer	CPO	CPO			
ATTITUDE INDICATING						
CN–1314/A	Displacement Gyro	2	2			
RATE-OF-TURN-INDICATING						
TRU–2A/A	Rate Gyro	2	2			
RADAR WARNING						
AN/APR–39(V)1 consisting of:	Radar Signal Detecting Set					
AS–2890/APR–39(V)	Blade Antenna	CPO				
AS–2891/APR–39(V)	Right Spiral Antenna (2 ea)	CPO				
AS–2892/APR–39(V)	Left Spiral Antenna (2 ea)	CPO				
C–9326/APR–39(V)	Control	CPO				
CM–440/APR–39(V)	Comparator	CPO				
IP–1150/APR–39(V)	Indicator	CPO				
R–1838/APR–39(V)	Receiver (2 ea)	CPO				
AN/APR–39(V)2 consisting of:	Radar Signal Detecting Set					
AS–2890/APR–39(V)	Blade Antenna		CPO			
AS–2891/APR–39(V)	Right Spiral Antenna (2 ea)		CPO			
AS–2892/APR–39(V)	Left Spiral Antenna (2 ea)		CPO			
C–10412/APR–39(V)	Control		CPO			
CM–480/APR–39(V)	Digital Processor		CPO			
IP–1150/APR–39(V)	Indicator		CPO			
R–1838/APR–39(V)	Receiver (2 ea)		CPO			
STABILIZATION						
AM–7105( )/A	Synchro Signal (SAS) Amplifier	1	1			
AM–7105( )/A	Elec Control (Stabilator) Amplifier	[6]2	[6]2			
C–10909( )/A	Flight Control Panel	1	1			
CN–1552/A	Rate Gyro	2	2			
CN–1564/A	Rate Gyro	1	1			
CP–1446/A	Computer	1	1			
ID–2279/A	Stabilator Indicator	2	2			
MT–6227/A	Vibration Tray	1	1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH–60A	EH–60A			
TR–322/A	Air Data Transducer	1	1			
TR–323/A	Air Speed Transducer	1	1			
TR–326/A	Linear Servo Accelerometer	2	2			
70400–06712–042	Stab. Position Sensor	1	1			
70901–02002–106	Stick Position Sensor	1	1			
COUNTERMEASURES						
AN/ALQ–144(V)1 consisting of:	Countermeasures Set					
C–10280/ALQ–144	Operators Control Unit	CPO	CPO			
CY–7611/ALQ–144	Transit Case	CPO	CPO			
T–1360(V)1/ALQ–144	Transmitter	CPO	CPO			
AN/ALQ–151(V)2 consisting of:	Countermeasures Set					
AM–7121/ALQ–151	Amplifier		1			
AN/UYH–1	Recorder/Reproducer Set		1			
AN/UYK–19A	Data Processing Set		1			
AN/UYQ–10	Plasma, Display Set, Computer		2			
AS–3578/ALQ–151	Antenna, Comm		1			
C–6533/ARC	Intercom Control		2			
C–10026/USQ	Control, Receiver		1			
C–10027/USQ	Control, Indicator		1			
C–10050/USQ	Control-Indicator, Comm Proc		1			
C–10144/ALQ–151	Control-Indicator, DF		1			
C–10604(V)6/ARC–186	Control (RT–1300/ARC–186)		1			
C–11002/USQ	Control, DF		1			
C–11124/ALQ–151	Control, Comm.		1			
CU–2293/ALQ–151(V)	Coupler, Tunable		1			
F–1429/ALQ–151	Filter, Bandpass		2			
F–1515/ALQ–151	Filter, Low Pass		1			
ID–2300/ALQ–151	Panel, Indicator		1			
ID–2301/U	Indicator, BDH		1			
ID–2302/ALQ–151	Indicator, Panel		1			
IP–1251/USQ	Indicator, Panoramic		1			
J–3986/ALQ–151(V)	Distribution Box		1			
KY–836/ALQ–151	Keyboard-Transmitter		2			
MT–6051/ARC–186	Mount (RT–1300/ARC–186)		1			
MX–10250/USQ	Processor, RF		1			
MX–10251/USQ	Processor, Communication		1			
MX–10374/UYK–19A	Interface, DF		1			
OE–344/ALQ–151	Antenna Group, DF		1			
PP–6875A/UNH–16A	Power Supply		2			
PP–7292A/USQ	Power Supply		1			
PP–7293A/USQ	Power Supply		1			
PP–7294A/USQ	Power Supply		1			
PP–7472/TLQ–17A	Power Supply		1			
R–2017/U	Receiver, Radio		2			
R–2107/TLQ–17A	Receiver, Countermeasures		1			
RD–385A/UNH–16A	Recorder-Reproducer		2			
RE–1136/ALQ–151(V)	Relay Assembly		1			
RT–1167( )/ARC–164	Receiver-Transmitter		2			
RT–1300A/ARC–186	Receiver-Transmitter		1			
T–1836/TLQ–17A	Transmitter, Countermeasures		1			
TD–1354/ALQ–151(V)	Generator, Time Group		1			
TSEC/KG–45	Key Generator, Elec		1			
TSEC/KY–58	Computer, Voice Security		CPO			
TT–772(P)/G	Teleprinter		1			
1951–1–1009	Filter, RFI		1			

FUNCTION/TYPE NUMBER	NOMENCLATURE	UH–60A	EH–60A			
5065792–1	Power Sensor		1			
AN/ALQ–156(V)2 consisting of:	Countermeasures Set					
AS–3650/ALQ–156(V)	Antenna, Circular Horn (4EA)		CPO			
C–10131/ALQ–156(V)	Control		CPO			
RT–1220A/ALQ–156(V)	Receiver-Transmitter		CPO			
NOTE: System is in development. Component designations and quantities may change.						
AN/ALQ–162(V)2 consisting of:	Countermeasures Set					
AS–3554/ALQ–162(V)	Antenna (2EA)		CPO			
C–11080/ALQ–162(V)	Control		CPO			
RT–1377/ALQ–162(V)	Receiver-Transmitter		CPO			
POWER SOURCES						
BB–716/A	Battery	1	1			
CV–3701/A	Power Converter	1	1			
PP–7723/A	Battery Charger	1	1			
MISCELLANEOUS						
C–11038/A	Retransmission Control	1	1			
J–3766/A	Audio Interface Unit	1	1			
H–250/U	Troop Commanders Handset	1	1			
70600–06001–103	Troop Commanders Antenna	1	1			

NOTES:

1. The AN/ARC–115 was replaced by the RT–1354/ARC–186 beginning with FY 80 production aircraft (80–23416). However, they are interchangeable so either may be installed.
2. Used as the VHF/AM, VHF/FM#2 and ADF Sense Antenna.
3. The remote version of the AN/ARC–186 consisting of the (RT–1300/ARC–186, C–10604(V)6/ARC–186 and MT–6051/ARC–186) replaces the AN/ARC–114 and RT–1354/ARC–186 starting with serial number 84–23962. The prototype aircraft was serial number 84–23953.
4. Installed in SN84–23962 and subsequent UH–60A production aircraft. The prototype aircraft was 84–23953.
5. Replaces the TSEC/KY–28 (including C–8157/ARC) Nestor System.
6. The AM–7106/A and AM–7106A/A are interchangeable on tail numbers up to and including 82–23747 but cannot be used on tail numbers 82–23748 and subsequent. The AM–7106B/A must be used on all tail numbered aircraft 82–23748 and subsequent and can be used in earlier models as long as it is installed in both stab amp positions.
7. The CU–2284/A and F–1521/A are replaced by Sikorsky part numbers 70600–01010–104 and 70600–01011–113, respectively starting with tail number 84–23959 and subsequent production aircraft.

Applicable Aircraft Avionics Manuals:

TM 11–1520–237–23–1
TM 11–1520–237–23–2
TM 11–1520–237–23–3
TM 11–1520–237–23P

(Illustration Not Available)

Figure 234. UV–18A Twin Otter

AVIONICS CONFIGURATION

The following configuration depicts a typically configured UV–18A. The actual configuration may vary depending on peculiar geographic requirements or changes incorporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	UV–18A (FY–76)	UV–18A (FY–79 & FY–82)			
INTERCOM						
C–6533/ARC	Intercom Control	3	3			
UHF-AM RADIO						
RT–1167( )/ARC–164	Receiver-Transmitter	1	1			
VHF-AM RADIO						
*KX–175B (King)	Radio Set	2				
*VHF–20B (Collins)	Radio Set		2			
VHF-FM RADIO						
AN/ARC–114( )	Radio Set	1	1			
HF-SSB RADIO SET						
*ASB–100A (SUNAIR)	Radio Set	1				
*718U–5 (Collins)	Radio Set		1			
SECURE VOICE						
MD–736/A	Signal Discriminator	2	2			
Z–AHP	Remote Control	CPO	CPO			
Z–AHQ	Interface Adapter	CPO	CPO			
TSEC/KY–58	Comm. Security Set	CPO	CPO			
ADF						
*DF–206 (Collins)	Direction Finder Set		1			
*KR–85 (King)	Direction Finder Set	1				
VOR/MB/GS						
AN/ARN–123(V)1 consisting of:	Receiving Set (VOR/MB/GS)					
C–10048/ARN–123(V)	Control		1			
MT–4834/ARN–123(V)	Mount		1			
R–2023/ARN–123(V)	Receiver		1			
*KN–73 (King)	GS Receiver	1				
*KR–21 (King)	MB Receiver	1				
*KX–175 (King)	VOR/LOC Receiver	1				
DME						
*KN–65 (King)	Distance Meas. Set	1				
*ICN–40 (Collins)	Distance Meas. Set		1			
R-NAV						
*KN–74 (King)	R-NAV Computer Set	1				
ALTIMETER						
*ALT–50 (Collins)	Radar Altimeter Set	1	1			
IDENTIFICATION						
AN/APX–72 consisting of:	Transponder Set					
C–6280A(P)/APX	Control	1	1			
MT–3809/APX–72	Mount	1	1			
RT–859( )/APX–72	Receiver-Transmitter	1	1			
TS–1843( )/APX	Test Set	1	1			
MT–3513/APX	Mount (TS–1843)	1	1			
AT–884/APX	Antenna	1	1			
MT–3949A/U	Mount (KIT–1A)	1	1			
KIT–1A/TSEC	IFF Computer	CPO	CPO			

corporated through MWO action and special purpose alterations.

FUNCTION/TYPE NUMBER	NOMENCLATURE	UV–18A (FY–76)	UV–18A (FY–79 & FY–82)			
AUTO FLT CONTROL						
*AP–106 (Collins)	Auto Pilot		1			
GNS						
*GNS–500A	Global Pos Nav Set		1			
COMPASS						
*C–14A (Sperry)	Compass System		1			
POWER SOURCE						
*PC–15BC	Static Inverter	2				
MISCELLANEOUS						
*C6SC–1634–29	Airspeed Indicator	2				
*DF–301	Indicator	1				
*IU2570301	Vert. Speed Indicator	2				
*FD–112V (Collins)	Flight Director	2				
*KCS–55A–01 (King)	Compass Pictorial Ind.	1				
*KI–226 (King)	RMI	2				
*KI–265 (King)	DME Indicator	1				
*KI–525A (King)	Pictorial Nav. Ind.	1				
*KN–520 (King)	Course Indicator	1				
*M–500–08	Turn & Slip Indicator	2				
*VG–14	Vertical Gyro	2				
*329T–1	Turn & Slip Indicator	1				
*500ED	Attitude	2				
*3117LB–6–3C	RMI	2				

NOTE: Items denoted by an asterisk are non-standard and support of these items are the responsibility of the user.

APPLICABLE PUBLICATIONS: TM 11 series manuals covering the avionics configuration of the UV–18 have not been published.

APPENDIX A
AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

This appendix includes the various avionics systems, subsystems and major components thereof, listed alphanumerically. Commercial items are listed by manufacturer's part number following the military designated items. The following data is furnished, if available and where applicable:

TYPE NUMBER: Self-explanatory

NOMENCLATURE: A noun or brief group of terms which designates the family name of the item.

NATIONAL/NATO STOCK NUMBER (NSN): A thirteen-character number assigned to items of supply which are repetitively used, purchased, stocked or distributed within the Federal Supply System.

LINE ITEM NUMBER (LIN): A six-character alphanumeric identification of a generic nomenclature and of the line on which the generic nomenclature is listed in SB 700-20 and in Army Equipment authorization documents.

SOURCE OF SUPPLY (SOS): A three-character Routing Identifier Code which identifies the activity having item management responsibility and to which requisitions should be directed.

Code	*Activity*
AKZ	US Army Tank-Automotive Command Warren, MI 48090
AP5	US Army Support Activity, Philadelphia Philadelphia, PA 19101
A35	US Army General Materiel and Petroleum Activity New Cumberland, PA 17070
B14	US Army Armament Command Rock Island, IL 61201
B16	US Army Communications-Electronics Command Ft. Monmouth, NJ 07703
B17	US Army Troop Support and Aviation Materiel Readiness Command St. Louis, MO 63120
B46	US Army Electronics Materiel Readiness Activity Warrenton, VA 22186
B56	US Army Communications Security Logistics Agency Ft. Huachuca, AZ 85613
B63	US Army Biological Depot Walter Reed Army Medical Center Washington, DC 20012
B64	US Army Missile Command Redstone Arsenal, AL 35809
B69	US Army Medical Materiel Agency Frederick, MD 21701

Code	Activity
FFZ	Sacramento Air Logistics Center McClellan AFB, CA 95652
FGZ	Ogden Air Logistics Center Hill AFB, UT 84406
FHZ	Oklahoma City Air Logistics Center Tinker AFB, OK 73145
FLZ	Warner-Robins Air Logistics Center Robins AFB, GA 31098
FPH	San Antonio Air Logistics Center Kelly AFB, TX 78241
FPK	San Antonio Air Logistics Center Kelly AFB, TX 78241
FPZ	San Antonio Air Logistics Center Kelly AFB, TX 78241
G O	G Blank O identifies the item as managed by GSA. Closest source, as outlined in AR 725-50, applies to the second position of the code.
MPB	Marine Corps Logistics Base Code P840, Bldg 3700 Albany, GA 31704
N32	Navy Aviation Supply Office Philadelphia, PA 19111
N35	Navy Ships Parts Control Center Mechanicsburg, PA 17055
S9C	Defense Construction Supply Center Columbus, OH 43215
S9E	Defense Electronics Supply Center Dayton, OH 45444
S9G	Defense General Supply Center Richmond, VA 23297
S9I	Defense Industrial Supply Center Philadelphia, PA 19111
S9M	Defense Personnel Support Center Philadelphia, PA 19101
S9S	Defense Personnel Support Center Philadelphia, PA 19101
S9T	Defense Personnel Support Center Philadelphia, PA 19101

PRICE: Item cost according to the latest edition of the Army Master Data File (AMDF) available at the time of this printing.

APPROPRIATION CODE (FUND): Denotes principal (APA), secondary (PS), or stock fund (SF) items as indicated in the latest edition of the AMDF at the time of this printing.

LOGISTICS CENTER CODE (LCC): A one–character alphabetic code assigned to Army Adopted Items and other materiel to provide a basis for logistical support decisions; i.e., procurement, overhaul, repair parts, provisioning, requisitioning, distribution, etc. These codes are:

A	Items/systems acceptable for the intended mission.
B	Items/systems acceptable for the intended mission which normally are being replaced through modernization.
D	Items/systems undergoing development which have not qualified for type classification.
F	Mission Essential Contingency Items (MECI).
N	Is entered only if items have not been separately type classified.
O	Obsolete Items.
R	Non-LIN related items not appearing in SB 700–20.
S	Contingency items other than Mission Essential Contingency Items that are suitable for training.
T	Items classified as Limited Procurement to Provide quantities for test.
U	All items type classified for Limited Procurement.

END ITEM/USED WITH: Self-explanatory.

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
A-2	Amplifier	6605-00-487-4769		B16	$ 122.00	APA	R	J-2
AAU-8/A	Altimeter	6610-00-722-0967		B17	201.00	SF	R	AN/TSQ-97
AAU-32/A	Encoding Altimeter	6610-00-115-2405		B17	3,635.00	PS	R	
AB-340A/ARC	Antenna Base	5821-00-295-7064		S9E	59.78	SF	R	AT-454/ARC-44
AB-577/GRC	Antenna Mast	5820-00-892-3862		B16	923.00	PS	R	AN/TSC-61B
AB-720/G	Antenna Assembly	5820-00-856-9924		B16	273.00	SF	R	AN/TSC-61B
AB-924/TKQ-2	Antenna Mast	5985-00-880-5786		B16	1,077.00	SF	R	AN/TKQ-2
AB-1256/GRC	Antenna Tripod	6625-01-063-1940		B16	26.27	SF	R	AN/TSC-61B
AH-1( )SCAS	Stability & Control Augmentation Sys	(See Components)						
AM-291/APN-22	Electronic Control Amplifier	5841-00-653-1683		B16	650.00	PS	R	AN/APN-22
AM-1514/ASN	Electronic Control Amplifier	6605-00-322-5753		B16	504.00	PS	B	AN/ASN-13
AM-2853/ASN	Amplifier Assembly	5826-00-486-8067		B16	798.00	PS	R	AN/ASN-33
AM-3209/ASN	Servoamplifier	6110-00-678-8507	A49929	B16	776.00	APA	A	
AM-3782/ASW-23	Amplifier	6615-00-858-8725		B16	431.00	PS	R	AN/ASW-29
AM-4464/AAS-14A	Preamplifier	5850-00-930-0150		B16	5,210.00	PS	R	AN/AAS-14( )
AM-4467/AAS-14A	Preamplifier	5850-00-999-1113		B16	11,155.00	PS	R	AN/AAS-14( )
AM-4468/AAS-14A	Preamplifier	5850-00-999-1114		B16	2,875.00	PS	R	AN/AAS-14( )
AM-4489/ARC-111	Amplifier	5821-00-912-3393		B16	321.00	PS	R	AN/ARC-111
AM-4682A/ASN-76	Electronic Control Amplifier	6615-00-168-0634		B16	6,500.00	APA	R	AN/ASN-76
AM-4808/ASW-29	Amplifier	6615-00-937-4806		B16	8,611.00	PS	N	AN/ASW-29
AM-4859/ARN-89	Amplifier	5826-00-883-1621		B16	190.00	PS	R	AN/ARN-89
AM-4859A/ARN-89	Amplifier	5826-00-001-4074		B16	190.00	PS	R	AN/ARN-89
AM-6279/ASW	Amplifier	6615-00-179-2040		B16	12,000.00	PS	R	CH-54B AFCS
AM-6280/ASW	Amplifier	6615-00-179-2044		B16	1,200.00	PS	R	CH-54B AFCS
AM-6639/ALR-46(V)	Amplifier-Detector	5865-00-782-4447		B16	3,623.00	SF	R	AN/ALR-46
AM-6798/ARC-174	Amplifier-Coupler	5821-01-123-1600		N32	1,200.00			AN/ARC-174
AM-7105/A	Synchro Signal (SAS) Amplifier	5990-01-120-3047		B16	4,317.55	PS	R	UH-60 AFCS
AM-7106/A	Control Amplifier	5895-01-110-1042		B16	19,606.00	PS	R	UH-60 AFCS
*AM-7106A/A	Electronic Control Amplifier	6615-01-138-3397		B16	21,000.00	PS	R	UH-60 AFCS
AM-7189/ARC	RF Amplifier	5821-01-145-5102		B16	6,750.00	PS	R	IFM
AN/AAQ-11	Pilots Night Vision System	5855-01-120-7831		B16	50,000.00	APA	R	
AN/AAS-14A	Infrared Detecting Set	5850-00-999-1112	D01998	B16	83,946.00	PS	A	AN/UAS-4A
AN/AAS-14B	Infrared Detecting Set	5850-00-114-1128	D01998	B16	50,000.00	APA	A	AN/UAS-4A
AN/AAS-24	Infrared Detecting Set	5850-00-179-8429	G01940	B16	560,020.00	APA	A	
AN/AAS-32	Airborne Laser Tracker	5860-01-070-3841		B16	70,000.00	APA	R	
AN/ADR-6	Aerial Radiac System	6665-00-930-4709	A21314	B16	91,280.00	APA	U	
AN/AJA-5	Propeller Synchrophaser Group	1610-00-799-8429		B16	2,500.00	APA	A	
AN/AKT-18	Radar Data Transmitting Set	5841-00-788-5223	Q13862	B16	21,703.00	APA	B	AN/UPD-2

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AN/AKT-18A	Radar Data Transmitting Set	5841-01-018-2869	Q13862	B16	$ 21,354.00	APA	A	AN/UPD-2
AN/AKT-18B	Radar Data Transmitting Set	5841-01-070-4408	Q13862	B16	150,000.00	APA	A	AN/UPD-7
AN/ALM-153	Electronic Shop	4940-01-018-2505	E02092	B16	449,317.00	APA	A	QLII
AN/ALM-154	Flight Line Test Set	6625-00-134-2975	V77628	B16	213,803.00	APA	A	QLII
AN/ALQ-80	Countermeasures Set	5865-00-179-8190	F20575	B16	60,000.00	APA	A	
AN/ALQ-133	Countermeasures Receiving Set	5865-00-134-2601		B16	542,312.00	APA	R	QLII
*AN/ALQ-136(V)1	Countermeasures Set	5865-01-127-6880	C20404	B16	125,000.00	APA	A	
AN/ALQ-143	Countermeasures Set	5865-01-008-6638		B46	2,500.00	APA	R	
AN/ALQ-144(V)1	Countermeasures Set	5865-01-037-1334	J01713	B16	13,090.00	APA	A	
AN/ALQ-144(V)2	Countermeasures Set	5865-01-040-4309		B16	13,689.00	SF	R	
AN/ALQ-144(V)3	Countermeasures Set	5865-01-098-7105	J01781	B16	19,500.00	APA	R	
AN/ALQ-147(V)	Countermeasures Set	5865-00-629-4280	F20627	B16	102,083.00	APA	R	
AN/ALQ-147A(V)1	Countermeasures Set	5865-01-077-6320	C20695	B16	79,384.88	APA	A	
AN/ALQ-147A(V)2	Countermeasures Set	5865-01-077-6321	C20763	B16	53,138.00	APA	A	
AN/ALQ-151(V)1	Countermeasures Set	5865-01-008-6350		B46	49,999.00	APA	R	QFII (EH-1X)
AN/ALQ-151(V)2	Countermeasures Set	5865-01-132-1303		B46	3,000,000.00	PS	R	QFIIB (EH-60)
AN/ALQ-156(V)1	Countermeasures Set	5865-01-145-5197	C20831	B16	91,000.00	APA	R	CH-47C, D
AN/ALQ-156(V)2	Countermeasures Set	5865-01-156-0460		B16	95,000.00	PS	R	OV-1D, RV-1D,RC-12 & RU-21H
AN/ALQ-162(V)2	Countermeasures Set	5865-01-187-4729	C20472	B16	223,000.00	APA	R	OV/RV-1D, RC-12, RU-21H,EH-1,
AN/ALR-46(V)	Countermeasures Receiving Set	5865-00-091-8623		B16	33,000.00	APA	R	
AN/APN-22	Radar Altimeter	5841-00-505-0751	Q13907	B16	1,632.00	APA	A	
AN/APN-158	Weather Radar	5841-00-082-3534	A23246	B16	12,578.00	APA	A	
AN/APN-158A	Weather Radar	5841-00-143-4116	A23246	B16	12,204.00	APA	A	
AN/APN-168	Radar Nav Set	5841-00-788-1774		B16	38,369.00	APA	N	AN/ASN-64
AN/APN-168A	Radar Nav Set	5841-00-228-1664		B16	33,467.00	APA	R	AN/ASN-64
AN/APN-171A(V)1	Radar Altimeter	5841-00-316-0362		B16	8,601.00	APA	R	
AN/APN-209(V)1	Radar Altimeter Set	5841-01-020-2281		B16	4,630.00	APA	R	
AN/APN-209(V)2	Radar Altimeter Set	5841-01-023-1211		B16	6,430.00	APA	A	
AN/APN-209A(V)1	Radar Altimeter Set	5841-01-098-4339		B16	11,777.00	APA	R	
AN/APN-209A(V)2	Radar Altimeter Set	5841-01-099-1796		B16	16,702.00	APA	R	
AN/APN-209A(V)3	Radar Altimeter Set	5841-01-114-6007		B16	13,764.00	APA	R	
*AN/APN-209A(V)4	Radar Altimeter Set							
AN/APN-209B(V)1	Radar Altimeter Set	5841-01-141-8656		B16	15,680.00	APA	R	
AN/APN-209B(V)2	Radar Altimeter Set	5841-01-147-1064		B16	15,680.00	APA	R	
AN/APN-209B(V)3	Radar Altimeter Set	5841-01-145-9991		B16	4,600.00	PS	R	
AN/APN-209B(V)4	Radar Altimeter Set	5841-01-156-0457		B16	14,914.00	PS	R	
AN/APN-215(V)1	Weather Radar Set	5841-01-093-1493		B16	22,000.00	APA	R	
AN/APN-215(V)3	Weather Radar Set	5841-01-134-3346		B16	23,972.00	SF	R	

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AN/APR-25(V)	Radar Receiving Set	5865-00-879-5120	R36603	B16	$ 9,500.00	APA	A	
AN/APR-26(V)	Radar Warning Receiver	5865-00-879-4657	R36604	B16	2,500.00	APA	A	
AN/APR-39(V)1	Radar Signal Detecting Set	5841-01-023-7112	D03091	B16	1,673.00	APA	A	
AN/APR-39(V)2	Radar Signal Detecting Set	5841-01-054-8540	D03682	B16	17,500.00	APA	R	
AN/APR-44(V)1	Radar Warning Set	5841-01-047-5398	R44571	B16	2,100.00	APA	U	
AN/APR-44(V)2	Radar Warning Set	5841-01-047-5399		B16	2,100.00	APA	R	
AN/APR-44(V)3	Radar Warning Set	5841-01-047-5400	R44639	B16	3,500.00	APA	R	
AN/APS-94C	Radar Surveillance Set	5841-00-952-8855	E56851	B16	106,173.00	PS	A	
AN/APS-94D	Radar Surveillance Set	5841-00-179-8503	E56851	B16	405,355.00	APA	A	
AN/APS-94E	Radar Surveillance Set	5841-01-040-3873	E56851	B16	350,000.00	APA	A	AN/UPD-2
AN/APS-94F	Radar Surveillance Set	5841-01-070-3859	E56851	B16	522,000.00	APA	A	AN/UPD-7
AN/APX-44	Transponder Set	5895-00-686-7772	X22540	B16	2,200.00	APA	A	
AN/APX-44B	Transponder Set	5895-00-926-2509	X22540	B16	2,060.33	APA	A	
AN/APX-72	Transponder Set	5895-00-879-0211	X22568	B16	3,350.00	APA	A	
AN/ARA-31	Antenna Group	5985-00-296-2470		S9E	174.16	SF	R	
AN/ARA-50	Direction Finder	5826-00-983-1689		FHZ				
AN/ARA-54	Receiver Group	5826-00-063-3529	R20257	B16	996.00	APA	B	
AN/ARA-56	Antenna Group	5821-00-691-3143		B16	37.15	SF	A	
AN/ARC-44	Radio Set	5821-00-543-0760	Q24312	B16	1,771.38	APA	S	
AN/ARC-51X	Radio Set	5821-00-082-3698	Q24882	B16	4,600.00	APA	A	
AN/ARC-51BX	Radio Set	5821-00-082-3926	Q24882	B16	6,335.00	APA	A	
AN/ARC-54	Radio Set	5821-00-082-3598	Q25019	B16	10,000.00	APA	B	
AN/ARC-55B	Radio Set	5821-00-543-1890		B16	2,240.00	APA	O	
AN/ARC-60A	Radio Set	5821-00-543-1774	Q25430	B16	1,200.00	APA	O	
AN/ARC-73	Radio Set	5821-00-681-9897	Q25567	B16	4,296.00	APA	B	
AN/ARC-73A	Radio Set	5821-00-752-0546	Q25567	B16	2,018.13	APA	B	
AN/ARC-102	Radio Set	5821-00-050-8255	Q25978	B16	10,101.00	APA	A	
AN/ARC-111	Radio Set	5821-00-912-3395		B16	999.43	APA	R	
AN/ARC-114	Radio Set	5821-00-935-5071	Q25990	B16	3,413.00	APA	A	
AN/ARC-114A	Radio Set	5821-00-165-2970	Q25990	B16	20,857.00	APA	A	
AN/ARC-115	Radio Set	5821-00-935-5072	Q25991	B16	3,627.00	APA	B	
AN/ARC-115A(V)1	Radio Set	5821-01-057-4037	Q25991	B16	3,572.00	APA	A	
AN/ARC-116	Radio Set	5821-00-935-5073	Q25992	B16	4,200.00	APA	B	
AN/ARC-116A	Radio Set	5821-00-222-8073	Q25992	B16	Not listed	APA	R	
AN/ARC-131	Radio Set	5821-00-937-4686	Q26007	B16	3,552.00	APA	A	
AN/ARC-134	Radio Set	5821-00-937-1086	Q26010	B16	12,450.00	APA	B	
AN/ARC-134A	Radio Set	5821-00-879-1377	Q26010	B16	2,183.00	APA	B	
AN/ARC-134B	Radio Set	5821-00-181-0430	Q26010	B16	3,665.00	APA	B	

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AN/ARC-134C	Radio Set	5821-00-432-2379	Q26010	B16	$ 3,585.00	APA	R	
AN/ARC-149(V)3	Radio Repeater Set	5821-00-434-5699	R76858	B16	19,930.00	APA	B	
AN/ARC-164	Receiver-Transmitter	(See RT-1167/ARC-164)						
AN/ARC-164(V)12	Radio Set	5821-01-071-5624	Z54264	B16	35,000.00	APA	R	AN/AKT-18B, AN/TKQ-2B
AN/ARC-164(V)16	Radio Set	5841-01-122-7094		B16	29,557.00	PS		
AN/ARC-174	Radio Set							
AN/ARC-182	Radio Set							
AN/ARC-186	Radio Set	(See RT-1354/ARC-186)						
*AN/ARM-163(V)3	Flight Line Test Set	5821-01-063-1915	F76771	B16	836,297.00	APA	A	GRV
AN/ARM-164	Maintenance Facility	4940-00-122-7224	MQ1842	B16	154,452.00	APA	U	QFI
AN/ARN-12	Radio Receiver	5826-00-537-3990		B16	166.00	APA	B	
AN/ARN-30D	Receiving Set	5826-00-752-5814	R36946	B16	1,949.37	APA	B	
AN/ARN-30E	Receiving Set	5826-00-892-1056	R36946	B16	1,708.00	APA	B	
AN/ARN-32	Receiving Set	5826-00-557-3787	R37083	B16	205.00	APA	B	
AN/ARN-52(V)	Navigation Set	5826-00-884-0899	M95793	B16	11,000.00	APA	B	
AN/ARN-59(V)	Direction Finder Set	5826-00-519-6967	G11492	B16	1,041.00	APA	B	
AN/ARN-82	Receiving Set	5826-00-402-5318	R37151	B16	2,965.00	APA	B	
AN/ARN-82A	Receiving Set	5826-00-168-8699	R37151	B16	5,547.00	APA	B	
AN/ARN-82B	Receiving Set	5826-01-070-4066	R37151	B16	5,227.00	APA	A	
AN/ARN-83	Direction Finder Set	5826-00-912-4415	G11697	B16	4,852.00	APA	A	
AN/ARN-89	Direction Finder Set	5826-00-790-6453	G11703	B16	2,625.00	APA	A	
AN/ARN-89A	Direction Finder Set	5826-00-151-2685	G11703	B16	4,792.00	APA	A	
AN/ARN-89B	Direction Finder Set	5826-01-021-3289	G11703	B16	12,825.00	APA	A	
AN/ARN-102	TACAN Navigation Set	5826-00-491-7159		B46	72,000.00	PS	R	
AN/ARN-103(V)1	TACAN Navigation Set	5826-00-167-1027	A23371	B16	58,498.00	APA	R	
AN/ARN-103(V)2	TACAN Navigation Set	5826-00-167-1026	A23371	B16	24,000.00	APA	R	
AN/ARN-118	TACAN Navigation Set	5826-01-015-0839		FLZ	9,600.00			
AN/ARN-123(V)1	Receiving Set	5826-01-016-2762		B16	6,613.00	APA	R	
AN/ARN-123(V)2	Receiving Set	5826-01-016-2761		B16	2,000.00	APA	R	
AN/ARN-123(V)3	Receiving Set	5826-01-058-6800		B16	1.563.00	APA	R	
AN/ARN-123(V)4	Receiving Set	5826-01-070-4067		B16	6,613.00	APA	R	
AN/ARN-124	DME Set	5826-01-063-6605		B16	3,654.00	APA	R	
AN/ARQ-31	Tactical Landing System	5820-00-800-9937						QF1A
AN/ARQ-33	Countermeasures System	1520-00-368-8442	K30548	B17	350,000.00	APA	U	QF1B
AN/ARQ-33A	Countermeasures System	5821-00-946-9838	X19074	B16	4,828.00	APA	A	AN/UAS-4A
AN/ART-41A	Transmitter							

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AN/ARW-83(V)4	Remote Radio Receiver Set	5821-01-063-1917	R36077	B16	$1,267,523.00	APA	A	GRV
AN/ASC-15	Communications Console	5895-00-143-4194	E58601	B16	22,745.00	APA	A	
AN/ASC-15A(V)1	Communications Console	5895-01-040-9660	E58601	B16	30,000.00	APA	R	
AN/ASC-15A(V)2	Communications Console	5895-01-040-9661	E58601	B16	30,000.00	APA	R	
AN/ASH-19	Voice Warning Set	5835-00-779-2836	R83927	B16	5,500.00	APA	B	
AN/ASH-23	Sound Recorder Set	5835-00-179-4690	T96851	B16	5,244.00	APA	B	
AN/ASH-24	Sound Reproducer Set	5835-00-179-4691	T96913	B16	3,768.50	APA	B	
AN/ASM-146A	Avionics Shop Shelter	4940-00-877-8726	H01907	B16	17,873.00	APA	B	
AN/ASM-146B	Avionics Shop Shelter	4940-00-435-7764	H01907	B16	15,388.00	APA	B	
AN/ASM-147A	Avionics Shop Shelter	4940-00-912-3532	H01912	B16	12,712.00	APA	A	
AN/ASM-147B	Avionics Shop Shelter	4940-00-435-7765	H01912	B16	41,244.00	APA	A	
AN/ASM-189	Electronic Shop	4940-00-965-0318	H01855	B16	58,035.00	APA	R	
AN/ASM-189A	Electronic Shop	4940-00-234-6114	H01855	B16	74,522.00	APA	A	
AN/ASM-190	Electronic Shop	4940-00-965-0317	H01857	B16	31,437.00	APA	A	
AN/ASM-190A	Electronic Shop	4940-00-177-6835	H01857	B16	45,795.00	APA	A	
AN/ASN-13	Gyro Magnetic Compass	6605-00-521-8395	J99600	B16	41.86	APA	B	
AN/ASN-23	Auto Pilot Set	6615-00-707-1302		B16	7,680.00	APA	R	
AN/ASN-33	Navigation Computer Set	5826-00-446-1409	E78373	B16	10,762.00	APA	B	
AN/ASN-43( )	Gyromagnetic Compass Set	6605-00-069-8762	J99737	B16	4,123.00	APA	A	
AN/ASN-64	Doppler Nav Set	5841-00-788-1637	G37435	B16	36,323.00	APA	B	
AN/ASN-64A	Doppler Nav Set	5841-00-228-1659	G37435	B16	76,841.00	APA	B	
AN/ASN-76	Attitude-Heading Reference Set	6605-00-933-4281	B00529	B16	13,417.00	APA	A	
*AN/ASN-86	Inertial Navigation Set	6605-00-179-8441	M95191	B16	309,618.00	APA	A	
AN/ASN-128	Doppler Navigation Set	5841-01-064-9738		B16	40,000.00	APA	R	
AN/ASN-132	Inertial Navigation System							
*AN/ASN-137	Doppler Navigation Set	5895-01-098-7378		B16	31,260.00	APA	R	
*AN/ASQ-132	Image Intensity Sytem	5855-00-134-6911		B16	505,889.00	APA	O	
AN/ASW-12(V)2	Automatic Flight Control System	6615-00-771-4633	B03393	B16	28,218.00	APA	A	
AN/ASW-29	Automatic Flight Control System	6615-00-937-4809		B16	12,820.00	APA	N	
AN/AVR-2	Laser Detecting Set	5841-01-110-6665		B16	10,000.00	APA	R	
AN/AVS-6(V)1	Night Vision System	5855-01-138-4749		B16	21,943.00	APA	A	
AN/AVS-6(V)2	Night Vision System	5855-01-138-4748		B16	21,923.00	APA	A	
AN/AYA-3	Doppler Computer Group	5841-00-788-8631		B16	26,399.00	APA	R	AN/ASN-64
AN/AYA-3A	Doppler Computer Group	5841-00-228-1665		B16	34,142.00	APA	R	AN/ASN-64
AN/AYA-10	Data Annotation System	5895-00-235-4520	A23058	B16	71,147.00	APA	A	
AN/PRC-90	Radio Set	5820-00-782-5308	Q38335	B16	504.70	APA	A	
AN/PVS-5( )	Night Vision Goggles	5855-00-150-1820	N04456	B16	6,004.00	APA	A	
AN/TAQ-1A	Infrared Surv. Info Center	5895-00-947-9762	U68036	B16	91,351.00	APA	B	

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AN/TAQ-1B	Infrared Surveillance Info Center	5895-00-045-4498	U68036	B16	$ 133,022.00	APA	A	
AN/TKQ-2	Radar Data Receiving Set	5840-00-168-1568	Q13817	B16	95,261.00	APA	B	AN/UPD-2
AN/TKQ-2A	Radar Data Receiving Set	5840-01-012-8623	Q13817	B16	95,000.00	APA	A	AN/UPD-2
AN/TKQ-2B	Radar Data Receiving Set	5840-01-077-5723	Q13817	B16	450,000.00	APA	A	AN/UPD-7
AN/TRN-25	Radio Beacon Set	5825-00-926-7297		B16	16,170.00	APA	O	
AN/TRN-30(V)1	Radio Beacon Set	5825-00-405-4510	B51098	B16	21,578.00	APA	A	
AN/TRN-30(V)2	Radio Beacon Set	5825-00-423-1654	B51099	B16	15,100.00	APA	A	
AN/TSC-61B	Flight Coordination Center	5895-01-057-3968	H76352	B16	250,000.00	APA	A	
AN/TSC-87	Communications Terminal	5895-01-024-7725	C60572	B16	19,000.00	APA	A	GRV
AN/TSM-133	Battery Servicing Shop	4940-01-052-3773	S10034	B16	19,458.00	APA	U	
AN/TSQ-97	Air Traffic Control Facility	5895-00-137-8548	A27159	B16	12,626.00	APA	A	
AN/TSQ-105(V)3	Surveillance Processing Center	5895-01-063-1916	S68354	B16	3,993,651.00	APA	A	GRV
AN/TSW-7A	Air Traffic Control Central	5820-01-018-1246	A27624	B16	668,000.00	APA	A	
AN/UAS-4A	Infrared Surveillance System	5850-00-930-0159		B16	86,000.00	APA	A	
AN/UPD-2	Radar Surveillance System	5841-00-069-8924		B16	261,894.00	APA	R	
AN/UPD-7	Radar Surveillance System		Z94075					
AN/UPN-25	Transponder Set	5895-00-137-0439		FLZ	5,000.00			
AN/URC-10	Radio Set	5820-00-858-5721	Q42092	B16	180.25	APA	S	
AN/URC-68	Radio Set	5820-00-832-9158	Q42297	B16	820.00	APA	S	
AN/USA-23	Recorder Group	5850-00-926-0164		B16	26,000.00	PS	R	AN/AAS-14A, AN/TAQ-1
AN/USA-23A	Recorder Group	5850-00-113-8115		B16	26,000.00	APA	R	AN/AAS-14B
AN/USM-281E	Oscilloscope	6625-00-134-1407	N30572	B16	1,434.00	APA	A	AN/TKQ-2A
AN/USM-393	Simulator Set	6625-00-134-2976	T58130	B16	353,952.00	APA	A	QLII
AN/USQ-61	Digital Data Set	7035-00-134-2602	G10721	B16	26,822.00	APA	A	QLII
AN/USQ-61A	Digital Data Set	7035-01-100-0968	G10721	B16	26,492.00	APA	R	QLII
*AN/UVS-1	Visual Target Located Set	5841-00-947-3257		B16	25,000.00	APA	R	
*AN/UYK-23	Digital Computer Set	7035-01-041-3437		B16	138,000.00	PS	R	AN/ALQ-133
*AN/VRC-46	Radio Set	5820-00-892-0871	Q53001	B16	2,319.00	APA	R	AN/MSC-53A, AN/TSC-61A, AN/TSC-74
AR-92B	Film Plotting Table	6740-00-489-6067		B16	1,030.00	SF	R	ES-38B
AS-580A/ARN-30	Antenna	5826-00-270-8399		B16	29.94	PS	R	AN/ARN-30
AS-612/U	Antenna	5820-00-543-1343		B16	174.00	SF	R	
AS-909A/ARA-48	Antenna	5826-00-849-0055		FLZ	3,214.00			AN/ARA-50
AS-1048/APS-94	Antenna Assembly	5841-00-707-2313		B16	10,273.00	PS	R	AN/APS-94C
AS-1097A/GR	Antenna Radome	5985-00-874-2162		S9E	802.18	SF	R	AN/TKQ-2
AS-1304/ARN	Antenna	5826-00-739-4479		B16	106.00	SF	R	
AS-1520/APN-158	Antenna	5841-00-082-3541		B16	1,802.00	PS	R	AN/APN-158
AS-1520A/APN-158	Antenna	5841-00-143-3543		B16	1,802.00	PS	R	AN/APN-158A

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AS-1642/APN-158	Antenna	5841-00-082-3803		B16	$ 1,600.00	PS	R	AN/APN-158
AS-1703/AR	Antenna	5985-00-082-3991		S9E	17.54	SF	R	
AS-1729/VRC	Antenna	5985-00-985-9024		B16	177.00	SF	R	AN/VRC-46
AS-1766/APN-168	Antenna	5841-00-788-3270		B16	8,929.00	PS	R	AN/APN-168
AS-1766A/APN-168	Antenna	5841-00-228-1660		B16	12,135.00	PS	R	AN/APN-168
AS-1858/APN-171(V)	Antenna	5841-00-899-0817		B16	163.00	PS	R	AN/APN-171A(V)1
AS-1858A/APN-171(V)	Antenna	5841-00-078-1344		S9E	143.28	SF	R	AN/ARN-171A(V)1
AS-1863/ARN-83	Loop Antenna	5826-00-985-9173		B16	519.00	PS	R	AN/ARN-83
AS-1869/ARN	Sense Antenna	5826-00-941-2073		B16	284.00	PS	R	AS-1863/ARN-83
AS-1870/ARN	Sense Antenna	5826-00-923-0524		B16	284.00	SF	R	AT-780/ARN-59
AS-1922A/ARC	Antenna	5985-00-089-8048		S9E	204.47	SF	R	
AS-1962/ARC-114	Homing Antenna	5821-00-167-7957						
AS-2038/UPN	Antenna	5895-00-017-2114		FLZ	163.47	APA	B	
AS-2042/ARC	Antenna	5826-00-087-3114		B16	368.00	SF	R	
AS-2108/ARN-89	Loop Antenna	5826-00-790-6427		B16	350.00	PS	R	AN/ARN-89
AS-2108A/ARN-89	Loop Antenna	5826-00-001-4077		B16	395.00	PS	R	AN/ARN-89
AS-2199/APS-94D	Antenna	5841-00-179-8430		B16	60,061.00	PS	R	AN/APS-94D
AS-2285/ARC	Antenna	5821-00-054-6374		B16	695.00	PS	R	
AS-2285A/ARC	Antenna	5821-01-003-0632		B16	1,983.00	SF	R	
AS-2451/APN-215(V)1	Antenna	5841-01-093-1411		B16	7,739.00	SF	R	AN/APN-215(V)1
AS-2485/ARC	Antenna	5985-00-168-8383		B16	417.00	SF	R	206-075-543-1 (Bell)
AS-2486/ARC	Homing Antenna (LH)	5985-00-134-5394		B16	590.00	SF	R	206-075-523-1 (Bell)
AS-2487/ARC	UHF Antenna	5985-00-168-8384		S9E	221.00	SF	R	206-075-551-1 (Bell)
AS-2595/APN-194(V)	Antenna	5841-00-181-0330		B16	322.00	SF	R	AN/APN-209(V)
AS-2670/ARC	Homing Antenna (RH)	5985-00-134-5393		S9E	384.00	SF	R	206-075-523-2 (Bell)
AS-2756/TLQ-27	Antenna							AN/ARQ-33
AS-2890/APR-39(V)	Antenna (Blade)	5985-01-026-3927		S9E	171.12	SF	R	AN/APR-39(V)1
AS-2891/APR-39(V)	Right Spiral Antenna	5985-01-026-3926		S9E	839.10	SF	R	AN/APR-39(V)1
AS-2892/APR-39(V)	Left Spiral Antenna	5985-01-035-5970		S9E	815.39	SF	R	AN/APR-39(V)1
AS-2935/ARQ-31	Antenna							AN/ARQ-31
AS-2994/ALQ-133	Spiral Antenna	5865-01-024-3886		B16	1,200.00	SF	R	AN/ALQ-133
AS-2995/ALQ-133	Spiral Antenna	5865-01-024-3885		B16	4,168.00	SF	R	AN/ALQ-133
AS-2996/ALQ-133	Spiral Antenna	5865-01-028-8266		B16	300.00	PS	R	AN/ALQ-133
AS-2997/ALQ-133	Trigger Antenna	5865-01-024-0423		B16	4,071.00	SF	R	AN/ALQ-133
AS-2998/ALQ-133	Trigger Antenna	5865-01-024-0422		B16	1,153.00	SF	R	AN/ALQ-133
AS-3007/ALQ-136	Antenna	5865-01-125-0297		B16	1,046.00	SF	R	AN/ALQ-136

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TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AS-3149/ALQ-156(V)	Antenna	5985-01-134-3161		B16	6,000.00	PS	R	AN/ALQ-156
AS-3164/ALQ-159	Antenna							AN/ALQ-159
AS-3188/ARN	GS Antenna	5985-01-029-7543		B16	33.26	SF	R	214-077-092-1 (Bell)
AS-3204/ARC	VHF Antenna	5985-01-035-0809		B16	54.00	SF	R	209-075-550 (Bell)
AS-3205/ARC	Homing Antenna	5985-01-031-7155		S9E	227.82	SF	R	205-075-345-3 (Bell)
AS-3243/GRC	Antenna	5895-01-061-6941		B16	1,071.00	PS	R	AN/TSC-61B
AS-3244/TS	Antenna	5895-01-063-1474		B16	1,300.00	PS	R	AN/TSC-61B
AS-3266/APR-44(V)	Antenna	5985-01-047-2770		S9E	450.48	SF	R	AN/APR-44(V)
AS-3322/APS-94F	Antenna	5985-01-062-8174		B16	116,000.00	PS	R	AN/APS-94F
AS-3381/ARQ-33	Antenna	5985-01-118-2297		B16		SF	R	AN/ARQ-33
AS-3350/ARC	FM Homing Antenna (RH)	5985-01-115-9795		S9E	468.00	SF	R	
AS-3351/ARC	FM Homing Antenna (LH)	5985-01-115-9796		S9E	468.00	SF	R	
AS-3352/ARC	FM Comm Antenna	5985-01-115-9794		S9E	744.68	SF	R	
AS-3522/A	Homing Antenna (LH)	5985-01-124-7297		S9E	1,071.46	SF	R	UH-60
AS-3523/A	Homing Antenna (RH)	5985-01-126-2946		S9E	1,071.46	SF	R	UH-60
AS-3524/A	UHF Antenna	5985-01-124-7298		S9E	1,388.00	SF	R	UH-60
AS-3525/A	MB Antenna	5985-01-124-7299		S9E	357.00	SF	R	UH-60
AS-3526/A	VOR Antenna	5985-01-134-0110		B16	431.00	SF	R	UH-60
AS-3527/A	GS Antenna	5985-01-125-6780		S9E	82.00	SF	R	UH-60
AS-3528/A	IFF Antenna	5985-01-124-1538		B16	1,480.00	SF	R	UH-60
AS-3554/ALQ-162(V)	Antenna	5865-01-189-1916		S9E	903.91	SF	R	AN/ALQ-162(V)2
AS-3586/APN-209	Antenna	5841-01-069-7660		B16	55.00	SF	R	AN/APN-209( )(V)3
AS-3594/ARC	Antenna	5821-01-143-8293		B16	1,200.00	SF	R	AH-1 IFM
AS-3595/ARC	Antenna	5821-01-150-5392		B16	1,500.00	SF	R	OH-58 IFM
*AS-4034/TSQ-97	Antenna Element	5895-01-025-8899		B16	183.00	SF	R	AN/TSQ-97
AT-134/ARN	MB Antenna	5826-00-180-3133		N32	196.00			
AT-134A/ARN	MB Antenna	5826-00-284-8314		FLZ	50.32	SF	R	
AT-197A/GR	Antenna	5895-00-784-0432	A69246	S9E	183.42	SF	R	AN/MSC-53A, AN/TKQ-2A, AN/TRC-68
AT-256A/ARC	UHF Antenna	5985-00-217-0457		S9E	80.16	SF	R	
AT-326/ARN	GS Antenna	5985-00-589-2475		S9E	95.50	SF	R	
AT-382/ARC	Antenna	5985-00-264-7500		B16	46.92	SF	R	
AT-450/ARC	Antenna	5985-00-545-6235		B16	153.00	SF	R	AN/AKT-18( ), AN/ARC-45/55
AT-454/ARC	Antenna	5840-00-543-0542		B16	1,600.00	PS	R	AN/ARC-44
AT-455A/ARC	Antenna Element	5985-00-625-7144		S9E	63.49	SF	R	AT-454
AT-624A/AR	Antenna Element	5821-00-552-0500		FLZ	24.33	SF	R	AN/ARA-31, 56
AT-640A/ARN	MB Antenna	5985-00-607-6137		S9E	280.00	SF	R	
AT-701/AR	Antenna	5985-00-321-0690		S9E	19.53	SF	R	

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AT-740/A	Antenna	5985-00-673-5831		S9E	$ 182.00	SF	R	AN/APX-100 (CH-47D)
AT-741A/A	Antenna	5985-01-091-9032		S9E				
AT-741B/A	Antenna	5985-00-106-0906		S9E	21.90	SF	R	
AT-780/ARN	Loop Antenna	5826-00-553-5924		B16	206.00	SF	R	AN/ARN-59
AT-884/APX-44	Antenna	5895-00-686-7626		B16	150.00	SF	R	AN/APX-44
AT-884B/APX	Antenna	5895-00-935-4975		B16	200.00	SF	R	
AT-890A/ARN	Sense Antenna	5826-00-919-1337		B16	115.00	APA	R	
AT-912/VRC	Antenna	5820-00-897-6357		B16	177.00	SF	R	AN/TKQ-2, AN/TSC-61A, AN/TSQ-71A
AT-1085/TRR-15	Antenna	5820-00-856-0441		B16	765.00	PS	R	AN/TAQ-1
AT-1108/ARC	Antenna	5985-00-892-0895	A71849	B16	194.00	SF	A	
BA-1090/U	Battery	6135-00-835-1023		B16	4.06	SF	R	AN/ASN-128
BA-1112/U	Battery	6135-00-935-5241		B16	26.76	SF	R	AN/URC-68
BA-1372/U	Battery	6135-00-801-3493		B16	2.96	SF	R	TSEC/KY-58
BA-1387/U	Battery	6135-00-889-1485		B16	66.13	SF	R	AN/URC-10
BA-1567/U	Battery	6135-00-485-7402		B16	3.13	SF	R	AN/PVS-5( )
*BA-1568/U	Battery	6135-00-838-0706		B16	10.94	SF	R	AN/PRC-90
BB-432/A	Battery	6140-00-753-2249		B16	534.00	SF	R	
BB-432A/A	Battery	6140-01-072-3125		B16	534.00	SF	R	
BB-432B/A	Battery Assembly	6140-01-134-2277		B16	1,003.00	SF	R	
BB-433/A	Battery	6140-00-753-2251		B16	738.00	SF	R	
BB-433A/A	Battery	6140-01-046-1116		B16	738.00	SF	R	
BB-434/A	Battery	6140-00-753-2252		B16	858.00	SF	R	
BB-434A/A	Battery	6140-01-099-0253		S9G	676.00	SF	R	
BB-451/U	Battery	6140-00-889-1027		B16	380.00	SF	R	AN/TSQ-97
BB-475/A	Battery Cell	6140-01-073-3206		B16	23.24	SF	R	BB-476/A
BB-476/A	Battery	6140-01-061-2818		B16	637.00	SF	R	
BB-507/U	Battery	6140-01-034-3136		B16	126.00	SF	R	AN/ALQ-133
BB-599/A	Battery Cell	6140-00-977-2753		B16	19.13	SF	R	BB-432/A
BB-599/A	Battery Cell	6140-00-204-2737		B16	19.13	SF	R	BB-432/A
BB-599/A	Battery Cell	6140-00-110-3492		B16	19.13	SF	R	BB-432/A
BB-599A/A	Battery Cell	6140-01-072-3124		B16	19.13	SF	R	BB-432A/A
BB-600/A	Battery Cell	6140-00-881-6889		B16	37.72	SF	R	BB-433/A
BB-600A/A	Battery Cell	6140-00-881-6887		B16	37.72	SF	R	BB-433A/A
BB-558/A(406-075-806-101)	Battery	6140-00-186-8802		B16	1,857.00	SF	R	OH-58D
BB-559/A	Battery Cell	6140-01-211-9906		B16	33.00			BB-558
BB-564/A	Battery							AH-64A
BB-601A/A	Battery Cell	6140-01-099-0251		S9G	25.18	SF	R	BB-434A/A

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
BB-641/A	Battery	6140-00-930-5130		B16	$ 758.00	SF	R	
BB-648/A	Battery Cell	6140-00-931-4758		B16	27.41	SF	R	BB-649/A
BB-648A/A	Battery Cell	6140-01-071-8560		B16	27.41	SF	R	BB-649A/A
BB-649/A	Battery	6140-00-980-0025		B16	614.00	SF	R	
BB-649A/A	Battery	6140-01-068-8572		B16	614.00	SF	R	
BB-652/A	Battery Cell	6140-00-933-4286		B16	21.26	SF	R	RR-641, 676, 678
BB-676/A	Battery	6140-00-228-8447		B16	676.00	SF	R	
BB-678/A	Battery	6140-00-179-8382		B16	848.00	SF	R	
BB-708/U	Battery	6140-01-032-4285		B16	695.00	SF	R	OK-279/A
BB-716/A	Battery	6140-01-089-8134		B16	690.00	SF	R	UH-60
C-1611/AIC	Intercomm	5831-00-682-2703	E90586	B16	315.00	APA	R	
C-1611A/AIC	Intercomm	5831-00-752-5895	E90586	B16	120.00	APA	S	
C-1611B/AIC	Intercomm	5831-00-267-9252	E90586	B16	120.00	APA	S	
C-1611C/AIC	Intercomm	5831-00-920-3058	E90586	B16	169.00	SF	R	
C-1611D/AIC	Intercomm	5831-00-933-9822	E90586	B16	112.00	APA	A	
C-1827/ARC-55	Control	5355-00-534-2787		B16	136.00	PS	R	AN/ARC-55( )
C-2010/ARN-52	Control	5826-00-511-9051		B16	215.00	PS	R	AN/ARN-52
C-2275/ARN	Control	5826-00-688-6030		B16	134.00	PS	R	AN/ARN-59
C-2714B/APX-44	Transponder Control	5895-00-935-0186		B16	325.00	PS	N	AN/APX-44
C-2996/APS-94	Radar Set Control	5841-00-681-9820		B16	3,778.00	PS	R	AN/APS-94C
C-2997/APS-94	Recorder Control	5841-00-681-9894		B16	1,367.00	PS	R	AN/APS-94C
C-3106/ASW-12(V)	Autopilot Attitude Control	6615-00-752-7613		B16	1,399.00	PS	R	AN/ASW-12
C-3107/ASW-12	Autopilot Flight Control	6615-00-752-7612		B16	2,032.00	PS	R	AN/ASW-12
C-3108/ASW-12	Reference Attitude Control	6615-00-771-4634		B16	4,912.00	PS	R	AN/ASW-12
C-3436/ARN-30D	Control	5826-00-752-5735		B16	118.00	PS	R	AN/ARN-30D
C-3436A/ARN-30E	Control	5826-00-892-1061		B16	158.00	PS	R	AN/ARN-30E
C-3736/ASW-12(V)	Control	6615-00-884-5170		B16	400.00	APA	R	
C-3737/ASW-12(V)	Control	6615-00-884-5172		B16	500.00	APA	R	
C-3835/ARC-54	Control	5821-00-082-3599		B16	196.00	PS	R	AN/ARC-54
C-3940/ARC-94	Control	5821-00-019-8405		B16	312.00	PS	R	AN/ARC-102
C-4074/ARC-73A	Control	5821-00-752-1208		B16	400.00	APA	R	AN/ARC-73
C-4209/ARC	Control	5821-00-889-4177		B16	47.51	SF	R	T-366
C-4677/ARC-51X	Control	5821-00-082-3700		B16	2,000.00	APA	R	AN/ARC-51X
C-4881/APN-158	Control	5841-00-082-3540		B16	1,500.00	PS	R	AN/APN-158( )
C-6280A(P)/APX	Transponder Control	5895-00-089-4403		B16	359.00	PS	R	AN/APX-72
C-6287/ARC-51BX	Control	5821-00-082-3928		B16	304.00	PS	R	AN/ARC-51BX
C-6347/ASN-43	Compass Controller	6605-00-140-1732		N32	1,100.00			AN/ASN-43

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
C-6533/ARC	Intercomm	5835-00-895-4175	E95064	B16	$ 265.00	PS	A	
C-6586/AYA-3	Control-Indicator	5841-00-985-8909		B16	6,505.00	PS	R	AN/AYA-3
C-6586A/AYA-3	Control-Indicator	5841-00-228-1658		B16	10,879.00	PS	R	AN/AYA-3
C-6598/AR	Control	5821-00-985-8927		B16	510.88	PS	R	AN/AKT-18( )
C-6822/AAS-14A	Control	5850-00-930-0156		B16	1,075.00	APA	R	OA-7825/AAS-14
C-6873A/ARN-82	Control	5826-00-920-7107		B16	341.00	PS	R	AN/ARN-82
C-6873B/ARN-82	Control	5826-00-149-1399		B16	1,600.00	APA	R	AN/ARN-82
C-6899/ARN-83	Control	5826-00-985-9174		B16	1,036.00	PS	R	AN/ARN-83
C-7088/ARC	Control	5821-00-937-9614		B16	680.00	PS	R	AN/ARC-131
C-7197/ARC-134	Control	5821-00-905-9935		B16	1,694.00	PS	R	AN/ARC-134
C-7263/ASW-29	Control	6615-00-937-4808		B16	1,600.00	PS	R	AN/ASW-29
C-7264/ASW-29	Servo Control	6615-00-937-4807		B16	1,368.00	PS	N	AN/ASW-29
C-7265/ASW-29	Control	6615-00-937-4810		B16	500.00	APA	N	AN/ASW-29
C-7266/ASW-29	Control	6615-00-753-1145		B16	2,583.00	PS	R	AN/ASW-29 CH-54B AFCS
C-7269/ASW-29	Control	6615-00-717-2767		B16	120.00	APA	N	
C-7392/ARN-89	Control	5826-00-883-1622		B16	314.00	PS	R	AN/ARN-89
C-7392A/ARN-89	Control	5826-00-001-4076		B16	1,396.00	PS	R	AN/ARN-89
C-7645/APS-94D	Radar Set Control	5841-00-143-4337		B16	22,000.00	PS	R	AN/APS-94D/E/F
C-8021/ASN-75	Compass Control	6605-00-089-8443		N32	3,250.00			
C-8021A/ASN-75	Compass Control	6605-00-460-8158		B16	3,250.00	PS	R	CH-47D, UH-60A, EH-60A
C-8099/ASN-76	Control	6605-00-933-4280		B16	400.00	PS	R	AN/ASN-76
C-8156/ARC	Control-Indicator	5821-00-926-7229		B16	627.00	PS	R	TSEC/KY-8
C-8157/ARC	Control-Indicator	5821-00-926-7230		B16	116.00	PS	R	TSEC/KY-28
C-8163/ADR-6(V)	Control/Alarm Panel	6665-00-179-9038		B16	155.00	SF	R	AN/ADR-6
C-8203/ASH-23	Controller	5835-00-465-1691		B16	20.21	SF	R	AN/ASH-23
C-8338/AYA-10	Control-Monitor	5895-00-134-6462		B16	13,762.00	PS	R	AN/AYA-10
C-8340/A	Control	6720-00-406-4649		B16	11,386.00	PS	R	LS-92A
C-8379/U	Control Amplifier	5820-00-191-1954		B16	959.00	SF	R	AN/ARC-149
C-8476/ASW	Control	6615-00-179-2041		B16	1,800.00	PS	R	CH-54B AFCS
C-8477/ASW	Monitor Control	6615-00-179-2042		B16	1,500.00	PS	R	CH-54B AFCS
C-8478/ASW	Control	6615-00-179-2039		B16	500.00	APA	R	CH-54B AFCS
C-8968/ARN-103(V)	Control	5826-00-160-6535		B16	769.00	PS	N	AN/ARN-103
C-9204/ADR-6	Control-Alarm-Indicator							AN/ADR-6
C-9326/APR-39(V)	Control	5841-01-025-0378		B16	991.00	SF	R	AN/APR-39(V)1
C-9431/ARQ-31	Control							AN/ARQ-31
C-9533/ARC-164	Control	5821-01-058-8734		B16	1,639.76	PS	R	
C-9536/ALQ-133	Power Supply Control	5865-01-024-0429		B16	7,388.00	SF	R	AN/ALQ-133

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TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
C-9537/ALQ-133	Monitor-Controller	5865-01-024-3845		B16	$ 18,700.00	PS	R	AN/ALQ-133
C-9538/ALQ-133	Indicator Control	5865-01-024-3897		B16	1,522.00	SF	R	AN/ALQ-133
C-9539/ALM-153	Synthesizer Scan Control	5865-01-024-0391		B16	10,000.00	SF	R	AN/ALM-153
C-9576/ALQ	Operators Control Unit	5865-01-100-0380		B16	409.00	PS	R	AN/ALQ-144(V)3
C-9606/A	Voltage Controller	6110-00-255-1575		B16	6,549.00	PS	R	OK-279/A
C-9632/ALM-153	Maint Operator Control Panel	5865-01-024-0387		B16	14,579.00	PS	R	AN/ALM-154
C-9633/UYK-23	Maint Operator Panel	7035-01-041-3438		B16	305.00	SF	R	AN/ALM-154
C-9641( )/AAS-32	Laser Tracker Control	5860-01-071-5061		B16	7,000.00	PS	R	AN/AAS-32
C-9921/TSQ-97	Control Monitor	5895-01-088-1789		B16	28,040.00	PS	R	AN/TSQ-97
C-9963/AKT-18A	Control	5841-01-015-7753		B16	3,000.00	PS	R	AN/AKT-18A
*C-10009/APX-100	Control	5895-01-139-3579		B16	3,090.00			
C-10048/ARN-123(V)	Control	5826-01-020-2263		B16	400.00	PS	R	AN/ARN-123
*C-10049/ARN-123(V)	Control	5826-01-022-9255		B16	400.00	PS	R	AN/ARN-123
*C-10131/ALQ-156(V)	Control-Indicator	5895-01-134-3163		B16	3,534.00	PS	R	AN/ALQ-156
C-10174/ALQ-147	Electronic Control Unit	5865-01-028-8411		B16	4,500.00	PS	R	AN/ALQ-147
C-10175/ALQ-147	Operator Control Unit	5865-01-028-8344		B16	1,600.00	PS	R	AN/ALQ-147
C-10191/ALQ-159	Control							AN/ALQ-159
C-10280/ALQ-144	Control Unit	5865-01-037-1345		B16	548.00	PS	R	AN/ALQ-144
C-10387/APR-44(V)	Control	5841-01-048-0705		B16	1,434.00	PS	R	AN/APR-44(V)
C-10388/TSW-7A	Comm Control	5895-01-108-3711		B16	9,200.00	SF	R	AN/TSW-7A
C-10412/APR-39(V)	Control	5841-01-055-0236		B16	600.00	PS	R	AN/APR-39(V)2
*C-10414/ARC	Intercomm Set	5895-01-133-6600		B16	1,046.00	SF	R	
C-10417/TS	Control-Indicator Panel	5895-01-058-6314		B16	1,394.00	SF	R	AN/TSC-61B
C-10418/TS	Control-Indicator Panel	5895-01-058-6315		B16	1,230.00	SF	R	AN/TSC-61B
C-10419/TS	Power Supply Control	5895-01-058-6324		B16	814.00	SF	R	AN/TSC-61B
C-10533/APX-100	Control	5895-01-063-4021		B16	1,200.00	PS	R	RT-1157/APX-100
C-10546/AKT-18B	Data Link Control	5841-01-073-9011		B16	12,000.00	PS		AN/AKT-18B
C-10547/ARC-164(V)	Control	5821-01-070-4433		B16	3,639.00	PS	R	AN/ARC-164(V)12
C-10604(V)3/ARC-186(V)	Control	5821-01-070-4695		FLZ	639.40			RT-1300/ARC-186
C-10604(V)6/ARC-186	Control	5821-01-076-2245		B16	1,115.00	PS	R	RT-1300/ARC-186
C-10698/ALQ-147A(V)	Operator Control Unit	5865-01-077-4936		B16	4,432.00	PS	R	AN/ALQ-147A(V)1,2
C-10883/ASN-137	Control-Display Unit	5895-01-102-5792		B16	7,141.00	PS	R	AN/ASN-137
C-10909/A	Flight Control Panel	5895-01-109-6413		B16	5,179.00	PS	R	UH-60 AFCS
C-10909A/A	Flight Control Panel	6615-01-138-3395		B16	5,275.00	PS	R	UH-60 AFCS
C-10998/A	HSI/VSI Mode Select Panel	5895-01-110-2198		B16	6,930.00	PS	R	UH-60 CIS
*C-10999/A	CIS Mode Select Panel	5895-01-087-1729		B16	1,156.00	SF	R	UH-60 CIS
C-11038/A	Retransmission Control	5895-01-088-9244		B16	632.00	SF	R	UH-60

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
*C-11080/ALQ-162(V)	Control	5865-01-188-3408		B16	$ 4,500.00	PS	R	AN/ALQ-162(V)2
*C-11188/ARC	Control	5821-01-142-3058		B16	787.00	PS	R	IFM
CE20VAL6-208	Environmental Control Unit	4120-00-973-4589	A24455	B17	4,423.00	APA	B	AN/TSW-7A
CM-145A/APS-94	Signal Comparator	5841-00-707-2312		B16	10,482.00	APA	R	AN/APS-94C
CM-145B/APS-94	Signal Comparator	5841-00-999-9772		B16	10,482.00	PS	R	AN/APS-94C
CM-145C/APS-94	Signal Comparator	5841-00-952-8887		B16	10,482.00	PS	R	AN/APS-94C
CM-374/APS-94D	Radar Signal Processor	5820-00-179-8504		B16	76,174.00	PS	R	AN/APS-94D
CM-440/APR-39(V)	Comparator	5841-01-024-7739		B16	4,577.00	PS	R	AN/APR-39(V)1
CM-442/ALR-46(V)	Signal Processor	5865-00-360-5362		B16	917.00	APA	R	AN/ALR-46
CM-446/ALQ-133	Phase Comparator	5865-01-024-0415		B16	7,776.00	PS	R	AN/ALQ-133
CM-447/ALQ-133	Signal Comparator	5865-01-024-0416		B16	2,430.00	PS	R	AN/ALQ-133
CM-480/APR-39(V)	Digital Processor	5841-01-054-8541	D03682	B16	18,101.00	PS	A	AN/APR-39(V)2
CM-481/APS-94F	Radar Signal Processor	5841-01-070-3860		B16	151,000.00	PS	R	AN/APS-94F
CM-482/ARC-186	FM Homing Unit	5821-01-062-0961		B16	653.00	PS	R	RT-1300, 1354/ARC-186
CM-492/ARC-186(V)	FM Homing Unit	5821-01-108-1443		FLZ	2,000.00			RT-1300, 1354/ARC-186
CM-493/AVR-2	Interface/Comparator	5841-01-115-4382		B16	1,248.00	PS	R	AN/AVR-2
CN-405/ASN	Compensator	6605-00-487-4773		N32	185.00	PS	R	AN/ASN-13/43
CN-601/ASW-12(V)	Displacement Gyro	6615-00-785-3223		B16	2,110.00	APA	R	AN/ASW-12
CN-601A/ASW-12(V)	Displacement Gyro	6615-00-752-7668		B16	2,640.00	PS	R	AN/ASW-12
CN-708/ASN	Displacement Gyro	6615-00-486-8072		B16	3,480.00	PS	R	AN/ASN-33
CN-709/ASN	Rate Gyro	6615-00-486-8073		B16	637.00	APA	R	AN/ASN-33
CN-770/AAS-14	Displacement Gyro	6615-00-892-1687		B16	1,500.00	PS	R	OA-7827/AAS-14
CN-811/ASN	Vertical Displacement Gyro	6615-00-061-1519		B16	2,637.00	PS	R	
CN-811A/ASN	Vertical Displacement Gyro	6615-00-453-5669		B16	1,878.00	PS	R	
*CN-811B/ASN	Vertical Displacement Gyro	6615-01-125-6581		B16	6,492.00	PS	R	
CN-998/ASN-43	Directional Gyro	6615-00-913-8715		B16	3,350.00	PS	R	AN/ASN-43
CN-998B/ASN-43	Directional Gyro	6615-00-167-9757		B16	4,249.00	PS	R	AN/ASN-43
CN-1072/AJN	Compensator	6605-00-591-7147		S9G	167.18			DT-173/AJN
*CN-1151/ASN-76	Displacement Gyro	6615-00-919-1962		B16	45,073.00	PS	R	AN/ASN-76
CN-1179/ASW	Displacement Gyro	6615-00-961-1691		B16	3,200.00	APA	R	
*CN-1314/A	Gyro	6615-00-453-5670		B16	4,537.00	PS	R	AH-1G,CH-54,UH-60A,EH-60A
CN-1325/ASW	Rate Gyro	6615-00-943-1494		B16	1,325.00	APA	N	
CN-1497/A	Attitude Gyro	6615-01-031-7270		B16	4,100.00	PS	R	
CN-1552/A	Rate Gyro	5895-01-110-1083		B16	2,613.00	PS	R	UH-60 AFCS
CN-1564/A	Rate Gyro	5895-01-110-1082		B16	1,600.00	PS	R	UH-60 AFCS
CP-583/ASN	Computer	5826-00-446-1407		B16	2,730.00	PS	R	AN/ASN-33
CP-854/ADR-6	Computer-Power Supply	1430-00-930-2724		B16	6,320.00	PS	R	AN/ADR-6
CP-941/ASN-86	Navigational Computer	5826-00-179-8437		B16	141,563.00	PS	R	AN/ASN-86

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
CP-1252/ASN-128	Computer-Display Unit	5841-01-063-1918		B16	$ 13,856.00	PS	R	AN/ASN-128
CP-1446/A	Computer	7021-01-119-7180		B16	51,537.90	PS	R	UH-60 AFCS
CP-1470/A	CIS Processor	5895-01-109-6405		B16	6,949.00	PS	R	UH-60 CIS
CP-1516/ASQ	Peripheral Interface Unit	5895-01-129-1314	Z01244	B16	10,000.00	PS	R	
CU-361D/ARC	Antenna Coupler	5985-00-752-0049		S9E	107.21	SF	R	AT-454/ARC-44
CU-435/AIC	Coupler	5915-00-603-9538		S9E	114.89	SF	R	
CU-459/AR	Impedance Matching Network	5915-00-322-4918		B16	994.00	PS	R	AN/ARA-31, 56
CU-792/ASW-12	Navigational Coupler	6615-00-771-4636		B16	5,806.00	PS	R	AN/ASW-12
CU-865/ASN	Indicator Coupler	5826-00-446-1406		B16	1,520.00	PS	R	AN/ASN-33
CU-942/ARC	Antenna Coupler	5985-00-082-3989	F24390	B16	639.00	APA	A	AS-1703
CU-942A/ARC	Antenna Coupler	5985-00-937-4687	F24390	B16	639.00	APA	A	AS-1703
CU-942B/ARC	Antenna Coupler	5985-00-179-3126	F24390	B16	639.00	APA	A	AS-1703
CU-991/AR	Antenna Coupler	5985-00-296-2081		B16	1,166.00	APA	R	AN/ARC-102
CU-1658/A	Antenna Coupler	5985-00-167-7898		B16	3,575.00	PS	R	AN/ARC-102
CU-1658A/A	Antenna Coupler	5985-00-999-5927		B16	3,575.00	PS	R	AN/ARC-102
CU-1759/ARC	Antenna Coupler	5985-00-179-3667		S9E	350.00	SF	R	
CU-1794/ARC	Homing Transformer	5915-00-056-4953		B16	49.31	SF	R	
CU-1796/ARC	Homing Network	5915-00-056-4951		B16	200.00	SF	R	
CU-1893/ARC	Antenna Coupler	5985-00-179-3216		S9E	251.00	SF	R	
CU-1894/ARC	Antenna Coupler	5985-00-179-3131		S9E	203.00	SF	R	
CU-2013/UR	Antenna Coupler							AN/ARQ-33
CU-2027/TLQ-27	Antenna Coupler							AN/ARQ-33
CU-2104/ALQ-133	Power Divider	5865-01-024-0448		B16	1,043.00	SF	R	AN/ALQ-133
CU-2206/ARC	Antenna Coupler	5985-01-016-3789		B16	123.00	APA	R	AN/TSQ-97, AN/ARC-114
CU-2239/ARC	Antenna Coupler	5985-01-145-5431						
CU-2245/ARQ-33	Antenna Coupler	5985-01-118-2371		B16		SF	R	AN/ARQ-33
*CU-2284/A	Antenna Coupler	5985-01-119-2741		B16	2,180.00	PS	R	UH-60
CV-265A/ARN-30A	Signal Data Converter	5826-00-505-0645		B16	329.00	PS	R	AN/ARN-30( )
CV-1275/ARN	Converter	5826-00-846-2934		B16	703.00	PS	R	AN/ARN-30( )
CV-2052/AAS-14A	Signal Data Converter	5850-00-930-0153		B16	20,260.00	PS	R	AN/AAS-14A
CV-2090/TAQ-1A	Signal Data Converter	5895-00-926-2574		B16	8,000.00	PS	R	AN/TAQ-1
CV-2094/A	Signal Data Converter Storer	5841-00-941-5519		B16	8,180.00	PS	R	AN/AKT-18
CV-2131/ADR-6	Static Power Inverter							AN/ADR-6
CV-2647/AYA-10	Signal Data Converter	5895-00-235-4519		B16	50,026.00	PS	R	AN/AYA-10
CV-2666/AAS-24	Video Converter	5850-00-466-0153		B16	40,990.00	PS	R	AN/AAS-24
CV-2809(V)/ASH-19	Signal Converter	5895-00-463-4039		B16	1,568.00	PS	N	AN/ASH-19 (CH-54)

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AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
CP-2924(P)/ARN-103(V)	Converter	5826-00-565-0226		B16	$ 5,600.00	PS	R	AN/ARN-103
CV-3171/ALQ-133	Converter-Processor	5865-01-028-8239		B16	10,000.00	PS	R	AN/ALQ-133
CV-3172/ALQ-133	Converter-Processor	5865-01-024-0397		B16	2,916.00	PS	R	AN/ALQ-133
CV-3173/ALQ-133	Converter-Processor	5865-01-024-0396		B16	9,720.00	PS	R	AN/ALQ-133
CV-3174/ALQ-133	Frequency Converter	5865-01-024-0417		B16	45,344.00	SF	R	AN/ALQ-133
CV-3338/ASN-128	Signal Data Converter	5841-01-064-1841		B16	12,222.00	PS	R	AN/ASN-128
CV-3395/ALQ-133	Converter-Processor	5865-01-061-6776		B16	21,224.06	PS	R	AN/ALQ-133
CV-3396/ALQ-133	Converter-Processor	5865-01-060-9555		B16	47,371.66	PS	R	AN/ALQ-133
CV-3669/ASN-137	Signal Data Converter	5895-01-099-6161		B16	15,770.00	PS	R	AN/ASN-137
*CV-3701/A	Power Converter	5895-01-110-2223		B16	8,516.00	PS	R	UH-60
CW-444/ARN-59	Radome Kit	5826-00-543-0617		B16	38.42	SF	R	AN/ARN-59
CX-4721/VRC	Power Cable Assy (5 Ft)	5995-00-832-8945		S9G	53.10	SF	R	AN/ARC-149
CX-11271/AAS-14A	Cable Assembly	5995-00-926-0768		B16	64.41	SF	R	OA-7825/AAS-14
*CX-11272/AAS-14A	Cable Assembly	5995-00-926-0767		S9G	233.33	SF	R	OA-7825/AAS-14
CY-1409A/APN-22	Housing	5841-00-543-1329		FLZ	121.00	PS	A	AN/APN-22
CY-4811/U	Film Magazine Transit Case	5850-00-930-0155		B16	215.00	SF	R	AN/USA-23
CY-4813/AAS-14A	Preamplifier Transit Case	5850-00-999-7658		B16	108.00	SF	R	AN/AAS-14( )
CY-4815/AAS-14A	Equipment Cabinet	5850-00-923-2468		B16	112.00	SF	R	OA-7825/AAS-14
CY-4832/AAS-14A	Optical Filter Transit Case	5850-00-999-7657		B16	107.00	SF	R	AN/AAS-14( )
CY-4879/G	Analyzer Kit Case	5895-00-999-6891		B16	544.00	SF	R	MK-913/G
CY-6665/AAS-24	Film Magazine Case	6750-00-466-2062		B16	1,465.09	SF	R	AN/AAS-24
*CY-7410/ALQ-133	Intercept Receiver Pod	1680-01-022-9242		B16	528.00	SF	R	AN/ALQ-133
CY-7565/ALQ-147	Transit Case	5865-01-028-8345		B16	6,000.00	PS	R	AN/ALQ-147
CY-7611/ALQ-144	Transit Case	5865-01-037-1325		B16	777.00	PS	R	AN/ALQ-144(V)
CY-7658/GRC	Antenna Coupler Case	5985-01-058-1078		B16	4,425.00	PS	R	AN/TSW-7A, AN/TSC-61B
CY-7760/U	Storage Case	5840-01-069-4222		B16	3,000.00	PS	R	AN/TLQ-28
CY-7783/ALQ-147A(V)	Transmitter Transit Case	5865-01-081-9618		B16	2,900.00	PS	R	AN/ALQ-147A(V)1
CY-7784/ALQ-147A(V)	Transmitter Transit Case	5865-01-077-8777		B16	2,200.00	PS	R	AN/ALQ-147A(V)2
CY-7785/ALQ-147A(V)	Modulator Transit Case	5895-01-081-9165		B16	3,429.00	PS	R	AN/ALQ-147A(V)1, 2
DG-401	Directional Gyro/Amplifier	6615-00-933-7597		B16	994.98	PS	R	
DG-411	Gyro	6615-00-066-4104		B16	1,384.00	APA	R	
DT-173/AJN	Magnetic Azimuth Detector	6605-00-632-0688		B16	950.00	PS	R	
DT-309/AJN	Azimuth Detector	6605-00-585-0295		B16	865.00	PS	R	DT-173/AJN
DT-322/ADR-6	Detector-Converter	6665-00-926-4382		B16	1,000.00	APA	R	AN/ADR-6
DT-376/ASN	Azimuth Detector	6605-00-179-2256		B16	1,278.00	APA	R	DT-173/AJN
DY-107/AR	Dynamotor	6125-00-568-5821		B16	241.00	PS	R	AN/ARC-44, 45
DY-150/ARN	Dynamotor	6125-00-542-6363		B16	232.00	SF	R	AN/ARN-159

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
EH-29B	Film Processing Machine	6740-00-935-3848		B16	$ 1,634.37	APA	R	ES-38B
EH-48B	Film Processing Machine	6740-00-935-3854		B16	2,500.00	PS	R	ES-38B
EN-6C	Contact Printer	6740-00-880-5637		B16	4,701.00	APA	R	ES-38B/C
EN-36B	Projection Printer	6740-00-935-3849		B16	5,004.35	PS	R	ES-38B
EN-100A	Contact Printer	6740-00-935-3850		B16	4,238.00	APA	R	ES-38B/C
ES-38B	Photographic Dark Room	6780-00-242-5756	N86481	B16	65,000.00	APA	A	
ES-38C	Photographic Dark Room	6780-01-057-5621	N86481	B16	65,000.00	APA	A	
F-726/AR	Filter	5821-00-714-7853		B16	124.00	PS	R	T-366
F-1253A/TSW-7A	VHF-AM Filter	5915-01-091-0936		B16	4,410.00	SF	R	AN/TSW-7A
F-1263/APN-171)V)	Band Suppression Filter	5915-00-134-0750		S9E	664.89	SF	R	AN/APN-171A(V)1
* F-1391/TSW-7A	VHF-FM Filter	5915-01-094-5577		B16	4,288.00	SF	R	AN/TSW-7A
F-1451/GRC	Bandpass Filter							AN/TSC-61B
F-1463/TSW-7A	Bandpass Filter	5915-01-091-0937		B16	9,684.00	SF	R	AN/TSW-7A
* F-1503/APR-44(V)	Low Pass Filter	5915-01-088-6773		B16	1,450.00	PS	R	AN/APR-44( )
F-1521/A(LPF 40-02B)	FM Low Pass Filter	5915-00-450-4676		S9E	77.07	SF	R	
F-1522/A	VHF Band Pass Filter	5915-01-127-6930		B16	188.00	SF	R	
FH-6B	Temperature Control Unit	6740-00-880-5553		B16	300.00	PS	R	ES-38B
FM-6B	Photo Chopper	6740-00-700-9077		B16	395.00	APA	R	ES-38B
FM-165B	Heater, Immersion	4540-00-012-1031		B16	169.00	SF	R	ES-38B/C
FM-180A	Chemical Mixer-Distributer	6740-00-935-3851		B16	732.00	SF	R	ES-38B
GH-211	Gyro, Horizon	6610-00-066-4103		B16	1,891.00	SF	R	
H-101A/U	Headset Microphone	5965-00-627-8382	K23609					AN/ARC-149, AN/TSQ-71A
H-134A/AIC	Earphone	5965-01-094-6602		S9E	11.89	SF	R	MK-896A/AIC
H-157/AIC	Headset Microphone	5965-00-755-4656		S9E	65.50	SF	R	
H-250/U	Handset	5965-00-043-3463	K14882	B16	28.12	SF	R	
H-337/TSQ-97	Headset-Microphone	5965-01-089-7678		B16	1.05	SF	R	AN/TSQ-97
HD-615/ARC-51X	Equipment Air Cooler	5821-00-082-3701		B16	299.00	SF	R	AN/ARC-51( )
HD-723/AAS-14A	Cryogenic Refrigerator	5850-00-999-1115		B16	9,806.00	PS	R	AN/AAS-14( )
HD-769/ASW-29	Dehydrator Unit	4440-00-937-6437						AN/ASW-29
HD-841/AAS-24	Rotary Compressor	5850-00-466-0155		B16	31,172.00	PS	R	AN/AAS-24
HD-868/AAS-24	Cryogenic Refrigerator	5850-00-177-1243		B16	24,000.00	PS	R	
HD-1067/APS-94F	Pressurization Set	5840-01-082-4065		B16	12,891.00	PS	R	AN/APS-94F
HYL-3/TSEC	Regenerative Repeater	5810-00-877-8391	V08721	B56	2,550.00	APA	B	AN/ARC-149, AN/ASC-15A
ID-48A/ARN	Indicator	5826-00-036-6504	K73009	B16	103.00	APA	R	AN/ARA-54, AN/ARC-51/131
ID-250/ARN	Course Indicator	5826-00-505-2222	K74105	B16	544.00	APA	R	
ID-250A/ARN	Course Indicator	5826-00-505-3094	K74105	B16	214.00	APA	A	
ID-257A/APN-22	Height Indicator	5841-00-895-0713		N32	439.00			AN/APN-22

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TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
ID-387/ARN	Course Indicator	5826-00-505-2947		B16	$ 440.00	PS	R	
ID-388/ARN	Range Indicator	5826-00-721-1804		N32	599.00			
ID-388A/ARN	Range Indicator	5826-00-998-4976		FLZ	748.80			
ID-453/ARN-30	Course Indicator	5826-00-697-9880		B16	435.00	PS	R	AN/ARN-30
ID-567/ASN	Induction Compass Indicator	6605-00-569-9402		B16	650.00	PS	N	AN/ASN-13
ID-637/ARN	Azimuth Indicator	5826-00-553-5926		B16	75.00	SF	R	AN/ARN-59, AN/TSQ-97
ID-663A/U	BDH Indicator	5826-00-964-2920		FLZ	1,378.00			
ID-663B/U	BDH Indicator	5826-00-912-3285		FLZ	1,378.00			
ID-663C/U	BDH Indicator	5826-00-089-7912		B16	2,670.00	PS	R	
ID-718/ARN	Indicator	5826-00-617-5321		B16	201.00	PS	R	AN/ARN-59
ID-882/ASN	Attitude Indicator	5826-00-445-8311		B16	5,070.00	PS	R	AN/ASN-33
ID-883/ASN	Course Indicator	5826-00-446-1408		B16	1,989.00	PS	R	AN/ASN-33
ID-998/ASN	Indicator	5826-00-897-4889		B16	2,385.00	PS	R	
ID-1003/ARC	SWR Indicator	6625-00-892-5223		B16	179.00	SF	R	AN/ARC-51( )
ID-1282/AYA-3	Indicator	5841-00-788-3613		B16	3,156.00	PS	R	AN/AYA-3
ID-1282A/AYA-3	Indicator	5841-00-228-1662		B16	3,903.00	PS	R	AN/AYA-3
ID-1345A/APN-171(V)	Height Indicator	5841-00-097-0029		B16	4,926.00	PS	R	AN/APN-171A(V)1
ID-1347/ARN-82	Course Indicator	5826-00-402-5317		B16	375.00	APA	R	AN/ARN-82
ID-1347A/ARN-82	Course Indicator	5826-00-168-8397		B16	390.00	APA	R	AN/ARN-82A
ID-1347C/ARN-82	Course Indicator	5826-00-106-1722		B16	676.00	APA	R	AN/ARN-82
ID-1351/A	Indicator	5826-00-999-7143		B16	1,012.00	PS	R	
ID-1351C/A	Indicator	5826-01-070-4406		B16	1,980.00	PS	R	
ID-1351D/A	Indicator	5826-01-063-1920		B16	1,980.00	PS	R	
ID-1351E/A	Indicator	5826-01-119-4010		B16	1,467.00	PS	R	
ID-1464/ASW-29	Indicator	6615-00-066-3364		B16	680.00	SF	R	AN/ASW-29
ID-1579/ASN-86	Control-Indicator	5826-00-179-8438		B16	28,131.00	PS	R	AN/ASN-86
ID-1581/ADR-6(V)	Indicator	6665-00-179-9039		B16	412.00	SF	R	AN/ADR-6
ID-1902/ALR-46(V)	Indicator-Control	5865-00-110-8163		B16	1,292.00	PS	R	AN/ALR-46
ID-1917/APN-209(V)	Height Indicator	5841-01-058-7994		B16	4,925.00	PS	R	AN/APN-209(V)2
ID-1917A/APN-209(V)	Height Indicator	5841-01-137-8445		B16	4,780.00	PS	R	AN/APN-209
ID-1927/ARQ-31	Height Indicator							AN/ARQ-31
ID-1928/ARQ-31	Short Range Indicator							AN/ARQ-31
ID-1929/ARQ-31	Long Range Indicator							AN/ARQ-31
ID-1930/ARQ-31	Range Rate Indicator							AN/ARQ-31
ID-1979/A	Control-Indicator	6110-00-014-6624		B16	120.00	SF	R	OK-279/A
*ID-2103/A	Horizontal Situation Indicator	6610-01-029-7542		B16	3,838.00	PS	R	209-075-660 (Bell)
*ID-2104/A	Attitude Indicator	6610-01-029-7544		B16	3,289.00	PS	R	209-075-661 (Bell)
ID-2105/A	Radio Magnetic Indicator	5826-01-039-4148		B16	990.00	PS	R	212-070-180 (Bell)

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
ID-2192/ARN-124	Control-Indicator	5826-01-062-8237		B16	$ 1,141.00	PS	R	AN/ARN-124
*ID-2277/A	Vertical Situation Indicator	5895-01-110-2229		B16	9,984.00	PS	R	UH-60 CIS
*ID-2278/A	Horizontal Situation Indicator	5895-01-114-9556		B16	18,515.00	PS	R	UH-60 CIS
*ID-2279/A	Stabilator Indicator	5895-01-114-9564		B16	1,564.00	SF	R	UH-60 AFCS
IP-516/APS-94	Radar Target Indicator	5841-00-707-7661		B16	13,974.00	PS	R	AN/APS-94C
IP-516B/APS-94	Radar Target Indicator	5841-00-911-8002		B16	14,183.00	PS	R	AN/APS-94C
IP-516C/APS-94	Radar Target Indicator	5841-00-930-6326		B16	14,183.00	PS	R	AN/APS-94C
IP-517( )/APS-94	Video Signal Monitor	5841-00-707-7662		B16	3,744.00	PS	R	AN/APS-94C
IP-724/APN-158	Azimuth Range Indicator	5841-00-082-3544		B16	3,881.00	PS	R	AN/APN-158
IP-724A/APN-158	Azimuth Range Indicator	5841-00-110-9848		B16	3,881.00	PS	R	AN/APN-158A
IP-795/TKQ-2	Radar Target Indicator	5840-00-788-4710		B16	20,500.00	PS	R	AN/TKQ-2
IP-807/U	Calibration Indicator	5850-00-999-7654		B16	3,125.00	PS	R	OA-7825/AAS-114, OA-7939/TAQ-1A
IP-808/U	Terrain Display Indicator	5840-00-999-7656		B16	4,985.00	PS	R	OA-7825/AAS-14, OA-7939/TAQ-1
IP-923/APS-94D	Radar Target Indicator	5841-00-179-8505		B16	23,529.00	PS	R	AN/APS-94D
IP-957/APR-36(V)	Azimuth Indicator	5865-00-111-8215		FLZ	1,862.00			AN/ALR-46
IP-969/AAS-24	Calibration Indicator	5850-00-460-3985		B16	17,675.00	PS	R	
IP-970/AAS-24	Terrain Indicator	5850-00-460-3983		B16	23,980.00	APA	R	
IP-1080/AYA-10	Digital Indicator	6720-00-419-3126	K75700	B16	1,400.00	APA	A	
IP-1150/APR-39(V)	Radar Signal Indicator	5841-01-037-8716		B16	797.00	PS	R	AN/APR-39(V)1
*IP-1236/TKQ-2A	Radar Target Indicator	5840-01-015-7751		B16	5,025.00	SF	R	AN/TKQ-2A
IP-1376/APN-215(V)1	Indicator	5841-01-093-1005		B16	9,634.00	PS	R	AN/APN-215(V)1
J-2	Magnetic Compass Set	6605-00-506-9315		B16	1,400.00	APA	R	
J-1098C/APS-94	Interconnecting Box	5841-00-952-6131		B16	3,357.00	PS	R	AN/APS-94C
J-2564/AKT-18	Interconnecting Box	5840-00-788-5282		B16	1,285.00	PS	R	
J-2794/APS-94D	Interconnecting Box	5841-00-097-9714		B16	3,199.00	SF	R	AN/APS-94D
J-2794A/APS-94D	Interconnecting Box	5841-01-070-4034		B16	6,091.00	SF	R	AN/APS-94F
J-3238/ALM-153	Interface Unit	5865-01-024-0390		B16	18,753.00	SF	R	AN/ALM-154
J-3239/USM-393	Interface Unit	7050-01-035-1344		B16	1,293.00	PS	R	AN/USM-393
*J-3766/A	Audio Interface Unit	5895-01-114-9554		B16	3,359.00	PS	R	UH-60
K-308A	Dry Battery	6135-00-930-0810		FPZ	31.67	SF	R	AN/URC-10
KA-30A	Still Picture Camera	6720-00-753-5152	C85871	B16	8,652.00	APA	A	KS-61A
KA-39A	Still Picture Camera	6720-00-682-6541		B16	2,320.00	PS	R	
KA-60A	Still Picture Camera	6720-00-069-8868	C86076	B16	9,100.00	APA	A	
KA-60B	Still Picture Camera	6720-00-936-5430	C86076	B16	10,000.00	APA	B	
KA-60C	Still Picture Camera	6720-00-890-7610	C86076	B16	20,000.00	APA	A	

*See Late Additions

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AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
KA-76A	Still Picture Camera	6720-00-087-3151	C86118	B16	$ 17,403.00	APA	A	KS-104, KS-113
KIT-1 A/TSEC	IFF Computer	5810-00-061-3386	X22266	B56	1,438.00	APA	A	AN/APX-72, 100
KS-61A	Photo Surveillance System	6720-00-897-5847	N86960	B16	25,000.00	APA	A	
KS-104A	Photo Surveillance System	6720-00-890-7623		B16	80,000.00	APA	N	
KS-104B	Photo Surveillance System	6720-00-406-4653		B16	103,861.00	APA	N	
KS-113/A	Photo Surveillance System	6720-00-406-4656		B16	104,000.00	PS	R	
KY-149/AR	Keying Unit	5821-00-729-1097		B16	127.00	PS	R	AN/ARA-31
KY-564/TKQ-2	Video Decoder	5840-00-788-4725		B16	19,800.00	PS	R	AN/TKQ-2
KY-564A/TKQ-2	Video Decoder	5840-01-015-7754		B16	30,152.00	SF	R	AN/TKQ-2A
KY-565/AKT-18	Video Encoder	5841-00-788-4727		B16	44,000.00	PS	R	AN/AKT-18
*KY-565A/AKT-18A	Video Encoder	5841-01-015-7752		B16	100.00	PS	R	AN/AKT-18A
KY-871/TKQ-2B	Video Decoder	5840-01-070-4435		B16	120,000.00	PS	R	AN/TKQ-2B
KY-865/AKT-18B	Video Encoder	5841-01-073-9012		B16	100,000.00	PS	R	AN/AKT-18B
LA-96A	Detector	6780-00-064-5663		B16	563.00	SF	R	LS-91( ), LS-38A
LA-130A	Lens Cone	6760-00-753-5155		B16	5,100.00	PS	R	LA-136A
LA-131A	Camera Lens Case	6760-00-753-5157		B16	4,126.00	PS	R	KA-30A
LA-134A	Camera Body Drive	6720-00-769-7340		B16	3,736.00	PS	N	KA-30A
LA-135A	Film Magazine	6760-00-753-5161		B16	515.00	PS	N	KA-30A
LA-136A	Lens Cone Group	6760-00-767-5346		B16	4,100.62	PS	R	KS-61A
LA-137A	Lens Cone Case	6760-00-753-5159		B16	149.00	SF	R	LA-136A
LA-138A	Lens Cone Case	6760-00-753-5158		B16	220.00	SF	R	KA-30( )
LA-152A	Power Supply Control	6720-00-893-4272		B16	9,000.00	PS	R	LS-38A
LA-153A	Mount Control	6760-00-777-5466		B16	968.00	SF	R	LS-38A
LA-154A	Exposure Control	6760-00-777-5464		B16	4,500.00	PS	R	LS-38A
LA-155A	Flare Reset Control							LS-38A
LA-156A	Camera Control	6720-00-899-7911		B16	3,600.00	APA	R	LS-38A
LA-157A	Control Detector	6760-00-777-5464		B16	904.00	SF	R	LS-38A
LA-158A	Cartridge Ejector	6760-00-730-6778		B16	3,964.00	PS	R	LS-38A
LA-159A	Cartridge Ejector	6760-00-730-6777		B16	2,909.00	PS	R	LS-38A
LA-160A	Camera Mount	6760-00-735-6435		B16	1,631.00	PS	R	LS-38A
LA-161A	Sensor	6760-00-575-3126		B16	1,569.00	PS	R	LS-38A
LA-162A	Oblique Sight	6720-00-730-6780		B16	1,228.00	PS	R	LS-91( ), LS-92A, LS-38A
LA-163A	Oblique Sight	6720-00-730-6779		B16	2,109.00	SF	R	LS-91( ), LS-92A, LS-38A
LA-176A	Converter	6780-00-064-6247		B16	3,000.00	PS	R	LS-91( ), LS-38A
LA-177A	Ratio Coupler	6780-00-064-6246		B16	265.00	SF	R	LS-38A
LA-178A	Flight Line Tracker	6780-00-064-6245		B16	37.13	SF	R	LS-91( ), LS-92A, LS-38A
LA-359A	Carrying Cradle	6760-00-999-6088		B16	200.00	APA	R	LS-59A

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
LA-370A	Camera Lens Cone	6760-00-087-3736	L52040	B16	$ 8,626.00	APA	A	KA-76A
LA-371A	Camera Lens Cone	6760-00-087-3740	L52041	B16	6,347.00	APA	A	KA-76A
LA-372A	Camera Lens Cone	6760-00-087-3737	L52042	B16	7,380.00	APA	A	KA-76A
LA-373A	Camera Body Drive	6720-00-087-3147		B16	8,513.00	APA	R	KA-76A
LA-374A	Camera Lens Cone	6760-00-087-3743		B16	51.50	PS	R	KA-76A
LA-375A	Photographic Shutter	6760-00-087-3745		B16	34,272.00	PS	R	KA-76A
LA-378A	Camera Body Assembly	6720-00-978-7415		B16	15,000.00	PS	R	KA-60B
LA-379A	Magazine Assembly	6760-00-937-1919		B16	11,488.00	SF	R	KA-60B
LA-390A	Cable Assembly	5995-00-999-4376		B16	474.00	SF	R	LS-59A
LA-391A	Cover Assembly	6760-00-878-5364		B16	482.00	SF	R	LS-59A
LA-392A	Turbine Cover Assembly	6760-00-878-5354		S9G	22.86	SF	R	LS-59A
LA-405A	Camera Control	6720-00-018-7139		B16	6,000.00	PS	R	LS-91A
LA-405B	Camera Control	6720-00-242-5744		B16	10,400.00	APA	R	LS-91B
LA-406A	Power Supply Control	6760-00-014-8305		B16	16,315.00	PS	R	LS-91( ), LS-92A
LA-407A	Camera Light Sensor	6760-00-929-9848		B16	788.00	PS	R	KA-76A, LS-91( ), LS-92A
LA-408A	Camera Mount	6760-00-922-5805		B16	250.00	PS	R	LS-91A, LS-92A
LA-408B	Camera Mount	6760-00-489-6164		B16	2,500.00	PS	R	LS-91B, LS-92A
LA-409A	Actuator Assembly	6760-00- 922-5804		B16	10,747.00	PS	R	LS-91( ), LS-92A
LA-410A	Film Magazine	6760-00-922-5802		B16	2,500.00	PS	R	KA-60C
LA-411A	Camera Body Drive	6720-00-890-7608		B16	9,000.00	PS	N	KA-60C
LA-412A	Camera Control	6720-00-890-7609		B16	3,000.00	PS	R	KA-60C
LA-413A	Camera Control Panel	6760-00-922-5803		B16	1,500.00	PS	N	KA-60C
LA-414A	Film Magazine	6760-00-404-3306		B16	4,314.00	PS	R	KA-76A
LA-428A	Camera Control Panel	6720-00-400-2590		B16	542.00	PS	R	KA-60C
LA-432/A	Camera Control	6720-00-406-4654		B16	2,770.00	PS	R	LS-92A
LA-434A	Code Matrix Block	6720-00-450-6743	R42161	B16	12,506.00	PS	A	KS-113A
LS-38A	Photo Control System	6780-00-064-6244		B16	21,386.00	PS	N	KS-61A
LS-59A	Photo Flasher System	6760-00-910-3802	H73029	B16	18,814.92	APA	B	KS-104( )
LS-91A	Photo Control System	6720-00-406-4655		B16	37,579.00	APA	N	KS-104A
LS-91B	Photo Control System	6720-00-406-3431		B16	38,000.00	APA	N	KS-104B
LS-92A	Photo Control System	6720-00-406-4657		B16	38,500.00	APA	R	KS-113A
LS-454/U	Loudspeaker	5965-00-876-2375	L84098	S9E	40.66	SF	A	AN/TSQ-71A, AN/TSC-61B
M-80C/U	Microphone	5965-00-179-7762	M41801	S9E	37.25	SF	A	AN/TSQ-97
M-87A/AIC	Microphone	5965-01-094-6574		S9E	12.28	SF	R	MK-896A/AIC
MA-1	Gyro Compass System	6625-00-086-6726	E62358	B16	7,795.00	APA	B	
MA-18/U	Film Magazine	6760-00-930-1893		B16	5,922.00	PS	R	AN/USA-23
MC-1	Switching Rate Gyro	6615-00-768-5019		B16	179.00	PS	R	
MD-1	Displacement Gyro	6615-00-933-6037		B16	2,900.00	PS	R	

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
MD-679/TAQ-1A	Video Sync Demodulator	5895-00-943-6829		B16	$ 1,300.00	PS	R	OA-7941/TAQ-1
MD-736/A	Signal Discriminator	5821-00-937-7633		B16	150.00	PS	R	
MD-939/USQ-61	Digital Modem	7035-01-024-0953		B16	26,750.00	PS	R	AN/USQ-61
MD-1013/ALQ-147	Modulator Assembly	5865-01-028-8341		B16	3,239.10	PS	R	T-1346/ALQ-147
MD-1047/A	Audio Threshold System	5821-00-097-0080		B16	438.00	SF	R	205-075-399-1 (Bell)
MD-1074/ALQ-147A(V)	Modulator Assembly	5865-01-076-4102		B16	70,714.00	PS	R	AN/ALQ-147A(V)1, 2
MD-1101/A	Audio Threshold System	5831-01-018-1245		B16	370.00	PS	R	206-075-597-1 (Bell)
MK-896A/AIC	Headset-Microphone Kit	5965-00-930-8084						SPH-4
MK-898/AAS-20	Optical Filter Kit	5850-00-946-9837		B16	1,000.00	APA	R	AN/AAS-14( )
*MK-913/G	Imagery Analyzer Kit	5895-00-943-6859		B16	772.50	PS	R	AN/TAQ-1
MK-1951/TKQ-2B	Accessory Kit	5840-01-077-4519		B16	5,000.00	PS	R	AN/TKQ-2B
ML-653	Wind Detector	6660-01-009-4369		B16	722.00	PS	R	AN/TSQ-97
MN-92A	Glide Slope Antenna	5826-00-564-8461		B16	175.00	SF	R	AN/ARA-54
MT-589/ARN-12	Mount	5826-00-392-5894		B16	6.00	APA	B	AN/ARN-12
MT-803/APN-22	Mount	5841-00-552-9080		FLZ	752.00	SF	R	AN/APN-22
MT-1029/VRC	Mount	5820-00-893-1323	B38070	B16	102.00	SF	A	RT-524/VRC
MT-1140/ARC	Mount	5821-00-503-3449		S9E	19.35	SF	R	
MT-1142/ARC	Mount	5975-00-503-3448		B16	24.59	PS	R	T-366
MT-1174/ARN-30A	Mount	5826-00-091-0494		FLZ	44.21	SF	R	AN/ARN-30( )
MT-1175/ARN-30A	Mount	5826-00-611-0865		B16	58.00	PS	R	AN/ARN-30
MT-1267A/AR	Mount	5821-00-699-0010		B16	42.43	APA	R	AN/ARC-44, 45
MT-1268/AR	Mount	5821-00-092-1140		B16	146.59	APA	R	AN/ARC-44, 45
MT-1535/ARC-54	Mount	5821-00-892-9309		B16	200.00	SF	R	AN/ARC-54
MT-1536/ARC-55	Mount	5821-00-327-5041		B16	117.00	APA	R	AN/ARC-55( )
MT-1546/ARN-32	Mount	5826-00-324-0655		B16	159.60	SF	R	AN/ARN-32
MT-1620/AR	Mount	5821-00-339-1499		FLZ	25.21	SF	R	KY-149/ARA-31
MT-1677/AR	Mount	5821-00-321-0673		B16	4.52	SF	R	
MT-1718/AR	Mount	5625-00-566-4223		B16	230.00	SF	R	
MT-1719/AR	Mount	5985-00-325-9032		S9E	28.58	SF	R	CU-991/AR
MT-1762/AR	Mount	5821-00-506-4474		B16	283.13	APA	R	AN/ARA-54
MT-1955/ARA-50	Mount	5826-00-225-1028		FLZ	99.90	SF	R	AN/ARA-50
MT-2018/ARN	Mount	5826-00-677-4450		B16	118.00	SF	R	AN/ARN-59
MT-2019/ARN	Mount	5826-00-677-6046		B16	82.99	SF	R	DY-150/ARN, PP-4328
MT-2100/APX-44	Mount	5895-00-677-1982		B16	38.76	PS	R	AN/APX-44
MT-2100B/APX-44	Mount	5895-00-944-9271		B16	99.16	SF	R	AN/APX-44B
MT-2100C/APX-44	Mount	5895-00-877-6866		B16	38.50	PS	R	AN/APX-44C
MT-2292/AR	Mount	5826-00-713-0163		B16	10.00	APA	R	R-1041

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
MT-2416/ASN	Mount	5826-00-445-8310		B16	$ 84.00	PS	R	AN/ASN-33
MT-2417/ASN	Mount	5826-00-445-8312		B16	64.00	APA	R	CU-865/ASN
MT-2530/A	Mount			S9E	1.87	SF	R	AN/ART-41A
MT-2551/AYA-3	Mount	6605-00-859-7300		FHZ	303.73			AN/AYA-3
MT-2641/ARC-94	Mount	5821-00-751-9450		B16	622.00	PS	R	AN/ARC-102
MT-2653/ARC	Mount	5821-00-980-5789		B16	108.00	PS	R	AN/ARC-51, AN/AKT-18(T-991)
MT-2659/ARN	Mount	5826-00-757-2020		B16	27.18	SF	R	CV-1275/ARN
MT-2695/AJA-5	Mount	1610-00-736-3934		B16	83.98	SF	R	AN/AJA-5
MT-2699/ARC-73	Mount	5821-00-673-3105		B16	293.00	PS	R	AN/ARC-73
MT-3068/APN-158	Mount	5841-00-964-9116		B16	233.00	PS	R	AN/APN-158(RT-711)
MT-3068A/APN-158	Mount	5841-00-133-8978		B16	230.00	SF	R	AN/APN-158(RT-711A)
MT-3069/APN-158	Mount	5841-00-964-9115		B16	283.00	SF	R	AN/APN-158(SN-358)
MT-3290/ASH-19	Mount	5835-00-133-9187		B16	62.00	SF	N	AN/ASH-19
MT-3435/APN-168	Mount	5841-00-892-9705		B16	120.00	SF	R	AN/APN-168
MT-3436/APN-168	Mount	5841-00-892-9704		B16	386.00	SF	R	AN/APN-168
MT-3448/AKT-18	Mount	5841-00-738-4737		B16	246.00	SF	R	AN/AKT-18(KY-565)
MT-3513/APX	Mount	5895-00-919-9513		B16	52.29	SF	R	TS-1843
MT-3582/AAS-14A	Mount	5850-00-930-0152		B16	84.49	SF	R	PP-4478/AAS-14A
MT-3583/USA-23	Mount	5850-00-930-1892		B16	585.00	SF	R	AN/USA-23
MT-3592/ARC-111	Mount	5821-00-912-3392		B16	40.00	SF	R	AN/ARC-111
MT-3600/ARN-82	Mount	5826-00-920-7108		B16	126.00	APA	R	AN/ARN-82
MT-3605/ARN-83	Mount	5826-00-920-7177		B16	339.00	PS	R	AN/ARN-83
MT-3610/AAS-14A	Mount	5850-00-930-0154		B16	112.00	SF	R	HD-723/AAS-14
MT-3617/A	Mount	5841-00-926-3102		S9E	424.00	SF	R	AN/AKT-18(CV-2094)
MT-3664/ARC	Mount	5821-00-937-4688		B16	210.00	PS	R	AN/ARC-131
MT-3680/ARN-52(V)	Mount	5826-00-915-4606		B16	184.00	PS	R	AN/ARN-52
MT-3772A/A	Mount	5985-00-937-0415		S9E	175.35	SF	R	CU-1658
MT-3791/ARC-134	Mount	5821-00-912-2240		B16	324.45	APA	R	AN/ARC-134
MT-3791A/ARC-134	Mount	5821-00-936-0924		B16	324.45	SF	R	AN/ARC-134A
MT-3791B/ARC-134	Mount	5975-00-177-2077		B16	400.00	PS	R	AN/ARC-134B
MT-3791C/ARC-134	Mount	5975-00-115-0009		B16	1,604.00	PS	R	AN/ARC-134B
MT-3802/ARC	Mount	5810-00-937-1036		B16	112.00	SF	R	KY-28
MT-3809/APX-72	Mount	5895-00-063-9498		B16	75.44	SF	R	AN/APX-72
MT-3870/A	Mount	6615-00-937-7671		B16	1,191.00	SF	R	AN/ASN-76
MT-3874/U	Mount	5820-00-832-6887		S9E	110.95	SF	R	AN/TSC-74, AN/TSC-61B
MT-3948/APX-72	Mount	5820-00-853-6191		B16	19.00	SF	R	AN/APX-72
MT-3949A/U	Mount	5975-00-935-9582		B16	170.00	SF	R	KIT-1A/TSEC
MT-4015/APS-94D	Electrical Equipment Rack	5841-00-140-7348		B16	4,200.00	PS	R	AN/APS-94D/E/F

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
MT-4074/ASN-86	Mount	6605-00-179-1698		B16	$ 93.86	SF	R	AN/ASN-86
MT-4075/ASN-86	Mount	5826-00-220-2065		B16	3,625.00	PS	R	AN/ASN-86
MT-4105/AAS-14A	Mount	5850-00-113-8117		B16	56.33	SF	R	CV-2052/AAS-14
MT-4156/AAS-24	Mount	5850-00-492-6109		B16	4,669.00	SF	R	
MT-4157/AAS-24	Mount	5850-00-402-2228		B16	484.00	SF	R	AN/AAS-24
MT-4158/AAS-24	Mount	5850-00-402-2227		B16	131.00	SF	R	AN/AAS-24
MT-4159/AAS-24	Mount	5850-00-481-3681		B16	1,424.00	SF	R	AN/AAS-24
MT-4167/APN-171(V)	Mount	5340-00-178-1406		S9I	28.07	SF	R	AN/APN-171A(V)1
MT-4177/A	Mount	6615-00-564-6680		B16	102.00	SF	R	MD-1
MT-4411/ARN-103(V)	Mount	5826-00-160-6543		B16	2,159.00	PS	R	AN/ARN-103
MT-4447/ASN-86	Mount	6605-00-417-6207		B16	2,127.00	PS	R	AN/ASN-86
MT-4539/AYA-10	Mount	5895-00-004-8804		B16	250.00	PS	R	AN/AYA-10
*MT-4685/A	Mount	5975-00-114-5211		B16	1,044.00	SF	R	OK-279/A
MT-4777/ARC-174	Mount	5821-01-125-4411		FLZ	9,010.00			AN/ARC-174
MT-4792/AKT-18A	Mount	5841-01-015-7763		B16	650.00	PS	R	AN/AKT-18A (PP-7255)
MT-4793/AKT-18A	Mount	5841-01-015-7764		B16	650.00	PS	R	AN/AKT-18A (J-2794/APS-94D)
MT-4803/TKQ-2A	Mount							AN/TKQ-2A
MT-4811/APX-100	Mount	5895-01-063-4022		S9E	274.00	SF	R	RT-1157/APX-100
MT-4834/ARN-123(V)	Mount	5826-01-020-2266		B16	150.00	PS	R	AN/ARN-123
MT-4835/ARN	Mount	5826-01-022-9257		B16	150.00	PS	R	R-1963
MT-4838/ARC-164	Mount	5821-01-034-4292						RT-1145/ARC-164
MT-4902/USQ-61	Mount	7035-01-041-3401		S9E	1,703.00	SF	R	AN/USQ-61
MT-4903/USQ-61	Mount	7035-01-041-3402		S9E	98.69	SF	R	AN/USQ-61A
MT-4904/USQ-61	Mount	7035-01-042-0150		B16	98.69	SF	R	AN/USQ-61A
*MT-4980/ARN-123(V)	Mount	5826-01-058-7717		B16	175.00	SF	R	AN/ARN-123(V)3
MT-5203/APS-505	Mount	5841-21-880-3591						AN/APN-215(V)1
MT-6016/AKT-18B	Mount	5841-01-070-4272		B16	1,700.00	PS	R	KY-865/AKT-18B
MT-6017/ARC-164(V)	Mount	5821-01-070-4271		B16	2,000.00	PS	R	AN/ARC-164(V)12
MT-6034/ARN-124	Mount	5826-01-063-8017		B16	463.00	PS	R	AN/ARN-124
MT-6051/ARC-186(V)	Mount	5821-01-066-5318		FLZ	148.00	SF	R	RT-1300/ARC-186
MT-6052/TKQ-2B	Mount	5840-01-077-6286		B16	2,000.00	PS	R	AN/TKQ-2B
MT-6163/USQ-61	Mount	5975-01-101-9840		B16	330.00	SF	R	C-10547/ARC-164
MT-6226/A	Mount	5895-01-110-2233		B16	41.72	SF	R	UH-60 CIS
*MT-6227/A	Vibration Tray	5895-01-109-6421		B16	835.00	SF	R	UH-60 AFCS
MX-1646/AIC	Headset-Mike Adapter	5965-00-168-3608		S9E	48.68	SF	R	SB-329
MX-2916/ASW-12	Aircraft Accelerometer	6615-00-771-4635		B16	623.00	PS	R	AN/ASW-12
MX-2916A/ASW-12	Aircraft Accelerometer	6615-00-884-5169		B16	600.00	PS	R	AN/ASW-12
MX-2917/ASW-12	Calibration Unit	6615-00-771-4638		B16	155.00	PS	R	AN/ASW-12

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
MX-2918/ASW-12	Calibration Unit	6615-00-771-4639		B16	$ 97.23	PS	R	AN/ASW-12
MX-2919/ASW-12	Calibration Unit	6615-00-771-4640		B16	244.00	PS	R	AN/ASW-12
MX-4430/PRC-47	Battery Adapter	6135-00-087-2301		B16	157.00	SF	R	AN/TSQ-97
MX-7186/USA-23	Recorder Subassembly	5850-00-930-1891		B16	30,000.00	PS	R	AN/USA-23
MX-7186A/USA-23	Recorder Subassembly	5850-00-113-8116		B16	30,000.00	APA	N	AN/USA-23A
MX-8123/ASN-86	Gyro Stabilized Platform	5826-00-179-8440		B16	157,845.00	PS	R	AN/ASN-86
MX-8357/AAS-24	Detecting Set Subassembly	5850-00-466-0154		B16	15,150.00	PS	R	AN/AAS-24
MX-8358/AAS-24	Converter Subassembly	5850-00-466-2018		B16	21,041.00	PS	R	AN/AAS-24
MX-8539/AAS-24	Blanket, Recorder Group	5850-00-460-3979		B16	6,461.00	SF	R	AN/AAS-24
MX-8611/ASW	Electrical Linear Acceleron	6615-00-371-6667		B16	1,580.00	PS	R	
MX-9623( )/AAS-32	Electronic Components Assembly	5860-01-071-5152		B16	24,500.00	PS	R	AN/AAS-32
*MX-9713/TSQ-97	RF Choke	5950-01-025-6732		S9E	221.63	SF	R	AN/TSQ-97
O-1672/ALQ-133	Frequency Synthesizer	5865-01-024-0450		B16	2,500.00	PS	R	AN/ALQ-133
OA-7400/APN-168	Frequency Tracker	5841-00-788-1826		B16	11,524.00	PS	R	
OA-7400A/APN-168	Frequency Tracker	5841-00-228-1663		B16	13,367.00	PS	R	AN/APN-168
OA-7401/APN-168	Receiver-Transmitter	5841-00-985-8911		B16	6,558.00	PS	R	AN/APN-168
OA-7401A/APN-168	Receiver-Transmitter	5841-00-228-1661		B16	8,156.00	PS	R	AN/APN-168
OA-7432/AYA-3	Computer	5841-00-788-1634		B16	15,313.00	PS	R	AN/AYA-3
OA-7432A/AYA-3	Computer	5840-00-229-6615		B16	17,055.00	PS	R	AN/AYA-3
OA-7825/AAS-14A	Control Indicator Group	5850-00-926-0165		B16	100.00	PS	R	AN/AAS-14
OA-7827/AAS-14A	Receiver Group	5850-00-926-0163		B16	20,000.00	PS	R	AN/AAS-14
OA-7939/TAQ-1A	Control Indicator Pur. Supply Group	5895-00-943-6863		B16	6,000.00	APA	R	AN/TAQ-1
OA-7940/TAQ-1A	Control Indicator Group	5895-00-943-6847		B16	6,000.00	APA	R	OA-7939/TAQ-1A
OA-7941/TAQ-1A	Demod-Rcvr Power Supply Group	5895-00-943-6869		B16	600.00	APA	R	AN/TAQ-1
OA-8226/TAQ-1B	Recorder, Processor-Viewer	5895-00-937-2888		B16	67,671.00	PS	R	AN/TAQ-1B
OA-8511/AAS-24	Recorder Group	5850-00-762-4713		B16	54,325.00	PS	R	AN/AAS-24
*OE-281/TSW-7A	Antenna							AN/TSW-7A
OK-138/AAS-24	Control Indicator Group	5850-00-465-1690		B16	151,284.00	PS	R	AN/AAS-24
OK-270/ALQ-133	Quantizer-Control Group	5865-01-063-1575		B16		PS	R	AN/ALQ-133
OK-279/A	Voltage Control Group	6110-00-014-6623		B16	7,030.00	SF	R	OV-1/RV-1
OR-140/ALQ-133	Intercept Receiver Group	5865-01-028-8283		B16	310,000.00	PS	R	AN/ALQ-133
PP-2404( )/APS-94	Power Supply	5841-00-682-3350		B16	9,120.00	PS	R	AN/APS-94C
PP-2792/ARN-30D	Power Supply	5826-00-752-2508		B16	60.00	PS	R	AN/ARN-30( )
PP-3702/ARC-102	Inverter-Mounting	5821-00-050-8168		B16	1,348.00	PS	R	AN/ARC-102
PP-4328/ARN-59	Power Supply	6130-00-084-9052		B16	407.60	SF	R	
PP-4338/TKQ-2	Power Supply	5840-00-985-8244		B16	5,100.00	PS	R	AN/TKQ-2
PP-4339/TKQ-2	Power Supply	5840-00-985-8245		B16	4,975.00	PS	R	AN/TKQ-2

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
PP-4478/AAS-14A	Power Supply	5850-00-926-0812		B16	$ 4,850.00	PS	R	AN/AAS-14
PP-6187/TSW-7	Power Supply	6130-01-129-5494		B16	6,558.00	SF	R	AN/TSW-7A
PP-6270/AAS-24	Power Supply	5850-00-466-2019		B16	48,678.00	PS	R	AN/AAS-24
PP-6305/G	Power Supply	6130-00-134-7405		B16	4,481.00	SF	R	AN/TKQ-2
PP-6376/A	Static Inverter	6130-00-168-8544		B16	682.00	PS	R	
PP-6508/U	Static Inverter	6130-00-220-5212		B16	4,147.00	PS	R	
PP-6674/U	Static Inverter	6130-00-179-8375		B16	381.00	PS	R	369A4654-603(Hughes)
PP-7035/ALQ-133	Power Supply	5865-01-024-3883		B16	27,659.00	SF	R	AN/ALQ-133
PP-7036/USQ-61	Power Supply	7035-01-024-7913		B16	5,073.00	SF	R	AN/USQ-61
PP-7255/AKT-18A	Power Supply-Synchronizer	5841-01-015-7757		B16	8,000.00	PS	R	AN/AKT-18A
PP-7274( )/A	Static Inverter	6125-00-148-8342		B16	3,669.00	PS	R	
*PP-7274A/A	Static Inverter	6130-01-093-3077		B16	3,900.00	PS	R	
PP-7442/G	Power Supply	5895-01-094-5595		B16	3,000.00	PS	R	AN/TSC-61B
*PP-7462/U	Power Supply	4940-01-064-7342		B16	6,993.00	PS	R	
PP-7508/APS-94F	Power Supply-Mount	5841-01-061-2669		B16	14,000.00	PS	R	AN/APS-94F
PP-7618/A	Power Supply(5V)	6130-01-086-3412		S9G	849.00	SF	R	
*PP-7723/A	Battery Charger	6130-01-114-9690		B16	4,530.00	PS	R	UH-60
PU-107A/U	Generator	6115-00-669-6510	J49261	B17	5,873.00	APA	B	AN/TKQ-2A
PU-375A/G	Generator Set	6115-00-753-2231	J41819	B17	3,668.00	APA	B	AN/TKQ-2
PU-375B/G	Generator Set	6115-00-931-6789	J41819	B17	8,270.00	APA	A	AN/TKQ-2
PU-406A/M	Generator	6115-00-738-6342	J36383	B17	14,101.00	APA	B	AN/TSC-61A
PU-406B/M	Generator	6115-00-394-9576	J36383	B17	20,810.00	APA	A	AN/TSC-61A
PU-542/A	Motor Generator	6125-00-936-9770	M72159	B16	489.00	PS	A	
PU-542A/A	Motor Generator	6125-00-888-3056	M72159	B16	489.00	PS	A	
PU-543/A	Motor Generator	6125-00-062-7483	M72296	B16	1,025.00	PS	A	
PU-543A/A	Motor Generator	6125-00-884-5261	M72296	B46	500.00	SF	A	
PU-543B/A	Motor Generator	6125-00-865-9683	M72296	B16	1,025.00	PS	A	
PU-543D/A	Motor Generator	6125-00-938-6539	M72296	B16	2,163.00	PS	A	
PU-544/A	Motor Generator	6125-00-985-7950	M72297	B16	2,137.00	PS	A	
PU-544A/A	Motor Generator	6125-00-119-4563	M72297	B16	1,180.00	PS	A	
PU-545/A	Motor Generator	6125-00-958-6915	M72298	B16	1,852.00	PS	A	
PU-619/M	Generator Set	6115-00-738-6339	J42100	B17	8,632.00	APA	A	AN/TSQ-70A, AN/TSW-7A
PU-678/G	Power Unit	6115-00-937-8468	J50185	B17	16,755.00	APA	B	AN/TSQ-71A
PU-750/A	Motor Generator	6125-00-101-9720		B16	3,529.00	PS	R	
R-122A/ARN-12	Receiver	5826-00-505-0661		B16	134.00	PS	B	AN/ARN-12
R-442/VRC	Radio Receiver	5820-00-892-0624	R25600	B16	2,303.00	APA	A	AN/USM-393
R-666A/ARN-32	Receiver	5826-00-505-3097		B16	350.00	PS	R	AN/ARN-32

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
R-666B/ARN-32	Receiver	5826-00-626-9874		B16	$ 375.00	PS	R	AN/ARN-32
R-746/AR	Radio Receiver	5826-00-520-8397		B16	948.00	PS	R	AN/ARA-54
R-746A/AR	Radio Receiver	5826-00-752-6013		B16	1,075.00	PS	R	AN/ARA-54
R-836/ARN	Receiver	5826-00-519-6963		B16	638.00	PS	R	AN/ARN-59
R-844/ARN-58	Radio Receiver	5826-00-705-2060	R26833	B16	1,400.00	APA	A	
R-844A/ARN-58	Radio Receiver	5826-00-226-6030	R26833	B16	1,079.48	APA	A	
R-1021/ARN-30D	Receiver	5826-00-752-5730		B16	812.00	PS	R	AN/ARN-30( )
R-1041A/ARN	Radio Receiver	5826-00-892-3739	R27548	B16	141.00	APA	B	
R-1041B/ARN	Radio Receiver	5826-00-930-2004	R27548	B16	120.00	APA	A	
R-1098/TRR-15	Receiver	5820-00-856-3054		B16	1,000.00	PS	R	OA-7941/TAQ-1
R-1123/ARC-73	Receiver	5821-00-682-8831		B16	1,630.00	PS	R	AN/ARC-73
R-1335/G	Radio Receiver	5820-00-985-8925		B16	32,623.43	PS	R	AN/TKQ-2
R-1335A/G	Radio Receiver	5820-00-163-2820		B16	17,000.00	APA	R	AN/TKQ-2
R-1386/AAS-14A	Infrared Receiver	5850-00-933-5580		B16	25,000.00	PS	R	OA-7827/AAS-14A
R-1388/ARN-82	Receiver	5826-00-407-7300		B16	4,250.00	PS	R	AN/ARN-82
R-1388A/ARN-82	Receiver	5826-00-168-8398		B16	5,791.00	PS	R	AN/ARN-82
R-1391/ARN-83	Receiver	5826-00-994-1578		B16	3,818.00	PS	R	AN/ARN-83
R-1496/ARN-89	Receiver	5826-00-790-6426		B16	2,248.00	PS	R	AN/ARN-89
R-1496A/ARN-89	Receiver	5826-01-021-3288		B16	2,310.00	PS	R	AN/ARN-89B
R-1615/AAS-24	Infrared Receiver	5850-00-460-3987		B16	75,075.00	PS	R	AN/AAS-24
R-1838/APR-39(V)	Radar Receiver	5841-01-031-5890		B16	647.00	PS	R	AN/APR-39(V)1
R-1854/ALR-46(V)	Receiver	5865-00-110-8161		B16	11,632.00	APA	R	AN/ALR-46
R-1868/ARQ-31	Decoder-Receiver							AN/ARQ-31
R-1920( )/AAS-32	Laser Receiver-Tracker	5860-01-072-1017		B16	38,500.00	PS	R	AN/AAS-32
* R-1963/ARN	Radio Receiver	5826-01-015-1574		B16	1,050.00	PS	R	
R-2023/ARN-123(V)	Receiver	5826-01-020-2258		B16	1,450.00	PS	R	AN/ARN-123
R-2057/USQ-61	Radio Receiver	5895-01-049-0950		B16	203.00	SF	R	AN/USQ-61
R-2097/APR-44(V)	Radar Receiver	5841-01-047-5485		B16	7,244.00	PS	R	AN/APR-44(V)1, 3
* R-2098/APR-44(V)	Radar Receiver	5841-01-047-5486		B16	1,500.00	PS	R	AN/APR-44(V)2, 3
* R-2139/ARN-123	Receiver	5826-01-070-4065		B16	5,644.00	APA	R	AN/ARN-123(V)4
* RD-392/U	Tape Recorder-Reproducer	5865-01-031-4052		B16	11,664.00	PS	R	AN/ALM-154
RO-166/UP	Radar Mapping Recorder	5841-00-856-8367	R42467	B16	26,000.00	APA	B	AN/APS-94C
RC-166A/UP	Radar Mapping Recorder	5841-00-937-1990	R42467	B16	6,060.00	APA	B	AN/APS-94C
RO-166B/UP	Radar Mapping Recorder	5841-00-911-2299	R42467	B16	11,000.00	APA	B	AN/APS-94C
RO-166C/UP	Radar Mapping Recorder	5841-00-937-1989	R42467	B16	6,000.00	APA	B	AN/APS-94C
RO-166D/UP	Radar Mapping Recorder	5841-00-917-6968	R42467	B16	11,000.00	APA	B	AN/APS-94C
RO-166E/UP	Radar Mapping Recorder	5841-00-179-4451	R42467	B16	12,000.00	APA	A	AN/APS-94C
RO-166F/UP	Radar Mapping Recorder	5841-01-015-7765	R42467	B16	15,080.00	APA	B	AN/TKQ-2A, AN/APS-94C

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
RO-301/ADR-6	Recorder	6665-00-930-2304			$			AN/ADR-6
RO-352/APS-94D	Recorder-Processor Viewer	5841-00-179-8507		B16	32,017.00	PS	R	AN/APS-94D
RO-436( )/ADR-6	Radiac Data Recorder							AN/ADR-6
RO-495/APS-94E	Recorder-Processor Viewer	5841-01-040-3872	R42648	B16	65,459.00	PS	A	AN/APS-94E/F
RP-139/ASH	Reproducer-Converter	5835-00-133-9186		B16	4,975.00	PS	R	AN/ASH-19
RT-160/APN-22	Receiver-Transmitter	5841-00-543-1330		B16	975.61	APA	N	AN/APN-22
RT-278/URC-10	Receiver-Transmitter	5820-00-985-9016	R33185	B16	151.00	APA	S	AN/URC-10
RT-278B/URC-10	Receiver-Transmitter	5820-00-912-4480	R30230	B16	250.00	APA	S	
RT-294/ARC-44	Receiver-Transmitter	5821-00-503-1519	R33391	B16	1,334.66	PS	B	AN/ARC-44
RT-295/ARC	Receiver-Transmitter	5821-00-752-6003		B16	3,453.00	APA	R	AN/ARC-45
RT-348/ARC-54	Receiver-Transmitter	5821-00-082-3597		B16	6,500.00	PS	R	AN/ARC-54
RT-349/ARC-55	Receiver-Transmitter	5821-00-519-6087	R33528	B16	1,580.00	APA	B	AN/ARC-55
RT-349A/ARC-55	Receiver-Transmitter	5821-00-543-1892	R33528	B16	1,580.00	APA	B	AN/ARC-55A
RT-349B/ARC-55	Receiver-Transmitter	5821-00-543-1893	R33528	B16	2,150.00	APA	B	AN/ARC-55B
RT-384/ARN-52(V)	Receiver-Transmitter	5826-00-948-0417		B16	7,000.00	PS	R	AN/ARN-52
RT-494( )/APX-44	Receiver-Transmitter	5895-00-701-2198		B16	2,494.00	PS	N	AN/APX-44
RT-524/VRC	Receiver-Transmitter	5820-00-892-0622	R33939	B16	4,690.00	APA	A	AN/VRC-46
RT-530/APS-94	Radar Receiver Transmitter	5841-00-707-2311		B16	18,436.00	PS	R	AN/APS-94C
RT-698/ARC-102	Receiver-Transmitter	5821-00-604-3307		B16	2,858.25	APA	R	AN/ARC-102
RT-702/ARC-51X	Receiver-Transmitter	5821-00-082-3699		B16	3,180.00	PS	R	AN/ARC-51X
RT-711/APN-158	Receiver-Transmitter	5841-00-082-3538		B16	3,565.00	PS	R	AN/APN-158
RT-711A/APN-158	Receiver-Transmitter	5841-00-110-9847		B16	3,565.00	PS	R	AN/APN-158A
RT-742/ARC-51BX	Receiver-Transmitter	5821-00-082-3927		B16	13,176.00	PS	R	AN/ARC-51BX
RT-742B/ARC-51BX	Receiver-Transmitter	5821-00-938-4508		B16	3,916.00	PS	R	AN/ARC-51BX
RT-742C/ARC-51BX	Receiver-Transmitter	5821-00-134-6239		B16	13,176.00	PS	R	AN/ARC-51BX
RT-802/ARC-111	Receiver-Transmitter	5821-00-912-3394		B16	540.00	PS	R	AN/ARC-111
RT-804A/APN-171(V)	Receiver-Transmitter	5841-00-097-0030		B16	15,240.00	PS	R	AN/APN-171A(V)1
RT-823/ARC-131	Receiver-Transmitter	5821-00-851-1096		B16	7,724.00	PS	R	AN/ARC-131
RT-857/ARC-134	Receiver-Transmitter	5821-00-072-6108		B16	3,245.00	PS	R	AN/ARC-134( )
RT-859/APX-72	Receiver-Transmitter	5895-00-089-7179		B16	2,436.00	PS	R	AN/APX-72
RT-859A/APX-72	Receiver-Transmitter	5895-00-160-2198		B16	2,458.00	APA	R	AN/APX-72
RT-899/APS-94D	Receiver-Transmitter	5841-00-179-8506		B16	38,087.00	PS	R	AN/APS-94D
*RT-1057/ARN-103(V)	Receiver-Transmitter	5826-00-626-8731		B16	47,000.00	PS	N	AN/ARN-103
RT-1115/APN-209(V)	Receiver-Transmitter-Indicator	5841-01-058-7873		B16	9,050.00	PS	R	AN/APN-209(V)
RT-1115A/APN-209(V)	Receiver-Transmitter-Height Indicator	5841-01-096-8673		B16	13,500.00	PS	R	AN/APN-209A(V)
RT-1115B/APN-209(V)	Receiver-Transmitter-Height Indicator	5841-01-140-0941		B16	10,300.00	PS	R	AN/APN-209( )V( )
RT-1145C/ARC-164	Transceiver	5821-01-136-5467		FLZ	7,600.00			

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
*RT-1149(V)1/ALQ-136(V)	Receiver-Transmitter	5865-01-121-8882		B16	115,000.00		R	AN/ALQ-136
RT-1149(V)2/ALQ-136(V)	Receiver-Transmitter	5865-01-191-7249		B16	$ 115,000.00	PS	R	AN/ALQ-136
RT 1157/APX-100	Transponder	5895-01-053-1334		B16	9,180.00	PS	R	
*RT-1157A/APX-100	Receiver-Transmitter	5895-01-093-1491		B16	11,500.00	PS	R	
RT-1167/ARC-164	Receiver-Transmitter	5821-00-138-7990	R31541	B16	4,271.00	APA	R	
RT-1167B/ARC-164	Radio Set	5821-01-137-6660		B16	5,982.00	APA	R	
RT-1167C/ARC-164	Radio Set	5821-01-147-4630		FLZ	9,207.00			
RT-1182/ARC-174	Receiver-Transmitter	5821-01-137-1036		N32	1,200.00			AN/ARC-174
RT-1193/ASN-128	Receiver-Transmitter-Antenna	5841-01-063-1919		B16	11,674.00	PS		AN/ASN-128
*RT-1220/ALQ-156(V)	Receiver-Transmitter	5841-01-136-5832		B16	169,700.00	PS	R	AN/ALQ-156
RT-1229/ALQ-159	Receiver-Transmitter							AN/ALQ-159
RT-1283/APS-94F	Receiver-Transmitter	5841-01-070-4064		B16	100,000.00	PS	R	AN/APS-94F
RT-1285/APX-100	Transponder	5895-01-063-4019		B16	10,000.00			
RT-1285A/APX-100	Receiver-Transmitter	5895-01-092-5989		B16	11,600.00	PS	R	
*RT-1288/ARC-164(V)12	Receiver-Transmitter	5821-01-070-5844		B16	28,000.00	PS	R	AN/ARC-164(V)12
RT-1294/ARN-124	Receiver-Transmitter	5826-01-066-8600		B16	2,600.00	PS	R	AN/ARN-124
RT-1296/APX-100	Transponder	5895-01-063-4020		B16	10,000.00	APA	R	
RT-1296A/APX-100	Receiver-Transmitter	5895-01-092-5988		B16	11,600.00	PS	R	
*RT-1300/ARC-186(V)	Receiver-Transmitter	5821-01-062-1019		B16	6,274.00			
RT-1352/APN-215(V)1	Receiver-Transmitter	5841-01-093-1492		B16		PS	R	AN/APN-215(V)1
RT-1354/ARC-186(V)	Radio Set	5821-01-092-4907	Q25991	B16	7,045.00	APA	A	
RT-1377/ALQ-162(V)	Receiver-Transmitter							AN/ALQ-162(V)2
*RT-1411/APN-209A(V)	Receiver-Transmitter	5841-01-140-1700		B16	12,594.00	PS	R	AN/APN-209A(V)3
S-3A	Gyro Control	6615-00-531-2501		B16	825.00	PS	R	J-2
S-3B	Gyro Control	6615-00-663-8696		B16	982.00	APA	R	J-2
S-144B/G	Shelter	5410-00-542-2532		B16	875.00	APA	N	
S-280A/G	Shelter	5410-00-999-6022		B16	14,000.00	APA	N	AN/TSC-61A, AN/TSC-74
S-280C/G	Shelter	5411-01-092-0892		B16	5,845.00	APA	R	
S-318/G	Shelter	5410-00-763-2339		B16	2,024.00	APA	R	AN/TAQ-1, AN/TSQ-70A, AN/TSQ-71A
S-339B/TKQ-2	Shelter							AN/TKQ-2A
S-593/TSW-7A	Shelter							AN/TSW-7A
S-594/TSC-61B	Shelter	5410-01-058-6292		B16	83,333.00	APA	R	AN/TSC-61B
S-606/TKQ-2B	Shelter	5411-01-072-0562		B16	50,000.00	PS	R	AN/TKQ-2B
SA-521/A	RF Switch	5985-00-097-7374		S9E	110.47	SF	R	AN/ARN-103
SA-2056/USQ-61	Transmit/Receive Switch	7035-01-035-1343		B16	267.00	PS	R	AN/USQ-61
SB-327/ARC-44	Control Panel	5821-00-092-1047		B16	299.00	PS	R	AN/ARC-44

* See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
SB-328/ARC	Control Panel	5821-00-752-5998		B16	$ 264.71	PS	R	AN/ARC-45
SB-329/AR	Radio Signal Dist. Panel	5821-00-537-4524		FLZ	238.00	APA	A	AN/ARC-44, 45
SB-2471/AKT-18	Power Distribution Panel	6110-00-985-8257		S9G	716.62	SF	R	AN/AKT-18
SB-2649/AAS-14A	Switch Control Panel	5850-00-930-0158		B16	1,039.00	SF	R	OA-7825/AAS-14
SB-2767/TAQ-1A	Switch Control Panel	5895-00-943-6870		B16	1,000.00	PS	R	OA-7939/TAQ-1A
SG-794/APS-94D	Sweep Generator	5841-00-179-5843		B16	14,572.00	PS	R	AN/APS-94D
SG-1127/APS-94E	Sweep Generator	6625-01-046-1163		B16	18,022.00	PS	R	AN/APS-94E/F
SI-07-F	Audio Filter	5915-00-937-4440		S9E	473.55	SF	R	
SM-701/ALM-154	Intercept Receiver Group Simulator	6625-01-024-0395		B16	14,619.00	SF	R	AN/ALM-154
SN-257A/APS-94	Electrical Synchronizer	5841-00-706-6554		B16	19,976.00	PS	R	AN/APS-94C
SN-324/AJA-5	Propeller Synchrophaser	1610-00-089-5040		B16	7,200.00	PS	R	AN/AJA-5
SN-358/APN-158	Synchronizer	5841-00-082-3545		B16	2,500.00	PS	R	AN/APN-158
SN-358A/APN-158	Synchronizer	5841-00-143-3542		B16	2,500.00	PS	R	AN/APN-158A
SN-409/ASW-29	Synchro Transmitter	5990-00-937-6444		S9E	205.11	SF	R	AN/ASW-29
SN-410/ASW-29	Synchro Transmitter	5990-00-937-6445		S9E	590.00	SF	R	AN/ASW-29
SN-441/ ASW	Synchro Assy	6615-00-483-8521		B17	544.00	SF	R	
SN-442/ASW	Synchronizer	6615-00-060-5105		B16	2,230.00	APA	D	CH-54B AFCS
SU-130/AVR-2	Sensor	5841-01-110-6666		B16	8,752.00	PS	R	AN/AVR-2
T-366/ARC	Radio Transmitter	5821-00-503-3434	X17204	B16	144.00	APA	B	
T-366A/ARC	Radio Transmitter	5821-00-681-9779	X17204	B16	335.00	APA	B	
T-420/GMQ-11	Wind Transmitter	6660-00-545-8580		B16	570.00	SF	R	AN/TSQ-70A, AN/TSW-7A
*T-611/ASN	Induction Compass Transmitter	6605-00-531-2992		B16	144.00	APA	R	AN/ASN-13/43
T-879/ARC-73	Transmitter	5821-00-682-8832		B16	1,877.00	PS	R	AN/ARC-73
T-991/AR	Radio Transmitter	5821-00-985-8926		B16	10,505.00	PS	R	AN/AKT-18( )
T-992/A	True Airspeed Transmitter	5841-00-788-1791		B16	5,684.00	PS	R	AN/ASN-64
T-1261/ARQ-31	DME Transmitter							AN/ARQ-31
T-1346/ALQ-147	Transmitter Assembly	5865-01-032-4294		B16	200.00	SF	R	AN/ALQ-147
T-1360(V)1/ALQ-144	Transmitter	5865-01-034-9117		B16	30,103.00	SF	R	AN/ALQ-144
T-1360(V)2/ALQ-144	Transmitter	5865-01-057-2014		B16	4,000.00	PS	R	AN/ALQ-144
*T-1407/ALQ-147A(V)	Transmitter Assembly	5865-01-077-8775		B16	194,234.00	PS	R	AN/ALQ-147A(V)1
T-1408/ALQ-147A(V)	Transmitter Assembly	5865-01-077-8776		B16	191,444.00	PS	R	AN/ALQ-147A(V)2
TA-248A/TT	Ringing Generator	5805-00-503-1482	J35287	B16	177.00	PS	A	AN/TSC-61B
*TA-312/PT	Telephone Set	5805-00-543-0012	V31211	B16	371.00	APA	A	AN/TSQ-71A, TSC-61B
TG-78( )/ASW-12	Rotary Actuator	1680-00-753-3972		B16	2,544.00	PS	R	AN/ASW-12
TG-80( )/ASW-12	Rotary Actuator	1680-00-753-3970		B16	2,831.00	PS	R	AN/ASW-12
TG-81/ASW-12	Rotary Actuator	1680-00-805-3991		B16	1,494.00	PS	R	AN/ASW-12
TR-253/AYA	Barometric Altimeter	6610-00-477-6272		B16	1,428.00	SF	R	AN/AYA-10

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
TR-322/A	Air Data Transducer	5895-01-114-9557		B16	$ 5,537.30	PS	R	UH-60 AFCS
TR-323/A	Air Speed Transducer	5895-01-110-1024		B16	2,266.50	PS	R	UH-60 AFCS
TR-326/A	Linear Servo Accelerometer	6680-01-125-0325		B16	942.00	SF	R	UH-60 AFCS
TRU-2A/A	Turn Rate Gyro	6615-00-707-6478		B16	1,335.00	PS	R	
TS-1843A/APX	Transponder Test Set	5895-00-895-4446	V96424	B16	176.00	APA	A	AN/APX-72
TS-1843B/APX	Transponder Test Set	5895-00-471-3174		B16	500.00	APA	R	AN/APX-72
TS-3447/ALM-153	Comparator Test Set	6625-01-026-9914		B16	5,000.00	APA	R	AN/ALM-153
*TSEC/KG35-4	Key Generator	5810-00-463-3275	H01796	B56	16,100.00	APA	A	AN/USQ-61
TSEC/KY-8	Security Equipment	5835-00-868-8157	V01275					AN/ASC-15
TSEC/KY-28	Comm Security Set	5810-00-919-4554	U01295	B56	5,620.00	APA	A	
TSEC/KY-58	Comm Security Set	5810-00-449-0154	S01441	B56	2,600.00	APA	A	
TSEC/KY-75	Comm Security Set	5810-01-050-2502	C52450	B56	5,750.00	PS	A	
TW-333/ASH-19	Message Tape (CH-54)	5835-00-421-1717		B16	28.90	SF	R	
U-383A/VR	Power Supply	6130-00-252-0004		B56	198.00	PS	R	AN/ARC-149
V-7A	Compass Indicator	6605-00-188-9025		B16	288.00	PS	R	J-2
V-8	Indicator	6605-00-514-3670		B17	100.00	SF	R	J-2
Z-AHP/TSEC	Remote Control Unit	5810-01-026-9623	R71604	B56	550.00	APA	A	TSEC/KY-58
Z-AHQ/TSEC	Interface Adapter	5810-01-026-9624	J97569	B56	850.00	APA	A	TSEC/KY-58
Z-AKM/TSEC	Mount	5810-01-050-8834		B56	120.00	PS	R	TSEC/KY-75
A-13B(ARC)	VOR/GS Antenna	(See AS-580A/ARN)						
ASR33-20/5JO	Teletypewriter Set	5810-01-057-2632		B16	3,074.00	SF	R	AN/USM-393
AST-1503A	Spiral Antenna	5865-01-061-0263		FLZ	202.67			AN/ALR-46
*BPF40-03P	VHF Band Pass Filter	5915-00-450-4678		N32	130.00	SF	R	
DMN4-4.1 (Dorne-Margolis)	Antenna	5826-00-897-9961		B16	311.00	SF	R	
*FM10-30-1(CCC)	FM Comm Antenna	5985-00-097-9747		B16	185.00	SF	R	
HPF40-01T	UHF High Pass Filter	5915-00-450-4677		N32	160.00	SF	R	
LPF40-02B	FM Low Pass Filter	5915-00-450-4676		S9E	77.07	SF	R	
M-40A(ARC)	Mount	5826-00-897-9959		B16	14.87	SF	R	CV-1275/ARN
M-41B(ARC)	Mount	5826-00-977-2759		B16	49.40	SF	R	CV-1275/ARN 515R-1(ARC)
MEP-025A	Generator	6115-00-017-8236	J44055	B17	2,962.00	APA	A	AN/TSW-7A
MS17406-3	Static Inverter	(See PP-7274)						
MS35058-24	Switch	5930-00-655-1516		S9E	2.74	SF	R	AN/ASN-43
RAB6375BAX(Remex)	Tape Reader/Perforator System	7025-01-008-0538		FLZ	10,000.00			AN/USM-393
*S1545-65273-1(Sikorsky)	Performance Indicator	6610-00-417-3139		B17	273.00	SF	R	CH-54B
S-1660-60036-10(Sikorsky)	Mount	5895-01-109-6411		B16	226.00	SF	R	KY-28(UH-60)
110552-01(Lear)	Mount	(See MT-4177/A)						
1134H14-2(Fairchild)	Camera Junction Box	6720-00-978-7417		B16	40.00	SF	R	KA-60B
114E2186-16(Boeing)	Speed Trim Amplifier	6615-00-688-9496		B16	2,750.00	APA	R	

*See Late Additions

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
114E2186-19(Boeing)	Speed Trim Amplifier	6615-00-907-0795		B16	$ 2,750.00	PS	R	
114E2186-23(Boeing)	Speed Trim Amplifier	6615-00-089-4427		B16	2,842.00	PS	R	
114E2186-26(Boeing)	Speed Trim Amplifier	6615-00-809-5229		B16	2,491.00	PS	R	
114E2186-30(Boeing)	Speed Trim Amplifier	6615-00-179-4968		B16	11,868.00	PS	R	
114E2186-33(Boeing)	Speed Trim Amplifier	6615-01-140-8045		B16	14,500.00	PS	R	
114E3030-40(Boeing)	SAS Amplifier	6615-00-691-3685		B16	17,500.00	PS		
114E3030-42(Boeing)	SAS Amplifier	6615-00-872-3197		B16	8,300.00	PS	R	
114E3030-43(Boeing)	SAS Amplifier	6615-00-999-3467		B16	8,549.00	PS	R	
114E3030-47(Boeing)	SAS Amplifier	1680-00-827-0531		B16	5,630.00	PS	R	
114E3030-49(Boeing)	SAS Amplifier	6615-00-179-4973		B16	19,595.00	PS	R	
114E3082-4(Boeing)	Sense Antenna	5826-00-111-6777		B16	284.00	SF	R	R/B 5826-00-111-6778
114E3082-6(Boeing)	Sense Antenna	5826-00-111-6778		B16	284.00	PS	R	R/B 5826-00-941-2073
1193064	Mount	6760-00-182-4913		B16	35.00	SF	R	LA-412A
134AV25508-1(Grumman)	MB Antenna	(See AT-134A/ARN)						
134AV33006-1(Grumman)	Panel Assembly	6720-00-735-6430		B16	1.15	SF	R	KS-61A
134AV45511-5(Grumman)	HF Antenna	5985-00-982-0370		S9E	229.38	SF	R	
134CS30103-3(Grumman)	VOR Antenna	5985-01-053-5734		B16	415.00	SF	R	
134SCAV247-1(Grumman)	FM Comm Antenna	5985-00-413-4414		B16	1,268.00	PS	R	
134SCAV260-1	Data Link Antenna							
137A4(Collins)	Loop Antenna	(See AS-1863/ARN-83)						
*137A7(Collins)	Loop Antenna	5826-00-824-5528		B16	1,574.00	SF	R	
145E3118-6(Boeing)	Interphone Junction Box	5975-01-135-3734		B16	12,587.00	SF	R	
145ES014-1(Boeing)	Battery Charger	6130-01-135-5065		B16	7,800.00	PS	R	
*153L-2(Collins)	Interconnect Box	5821-00-997-4766		S9E	128.84	SF	R	CU-1658/A
*19804-14(Marathon)	Battery Cell	6140-01-114-1219		B16	33.15	SF	R	BB-716/A
*2000(Hazeltine)	Video Display Terminal							AN/ALM-154
205-075-325-1(Bell)	ADF Sense Antenna	5826-00-740-5100		B16	1,169.00	SF	R	
205-075-345-3(Bell)	Homing Antenna	(See AS-3205/ARC)						
205-075-380-1(Bell)	FM Low Pass Filter	(See LPF40-02B)						
205-075-381-1(Bell)	UHF Hi Pass Filter	(See HPF40-01T)						
205-075-382-1(Bell)	VHF Band Pass Filter	(See BPF40-03P)						
205-075-399-1(Bell)	Audio Threshold Device	(See MD-1047/A)						
205-706-027-1(Bell)	HF Antenna	5821-00-788-8454		B16	500.00	PS	R	
206-032-310-3(Bell)	ADF Sense Antenna Assy	1560-00-127-3198		B17				
206-075-483-1(Bell)	Impedance Network	5999-00-133-8917		S9E	167.00	SF	R	
206-075-518-1(Bell)	VHF AM/FM Antenna	5985-00-179-3826		B17	548.00	SF	R	
206-075-523-1(Bell)	LH Homing Antenna	(See AS-2486/ARC)						
206-075-523-2(Bell)	RH Homing Antenna	(See AS-2670/ARC)						

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
206-075-543-1(Bell)	FM Comm Antenna	(See AS-2485/ARC)						
206-075-543-3(Bell)	FM Comm Antenna	(See FM10-30-1)						
206-075-551-1(Bell)	UHF Antenna	(See AS-2487/ARC)						
206-075-597-1(Bell)	Audio Threshold System	(See MD-1101/A)						
* 206-075-716-1(Bell)	Course Indicator							
209-075-964-5(Bell)	Plate Assembly, Gyro	4920-01-097-1120		N32	$ 232.00			CN-1497/A
206-077-109-1(Bell)	IFF Antenna	5985-01-154-7327		S9E	331.00	SF	R	
209-030-133-3(Bell)	ADF Sense Antenna	1560-00-971-6292		B16	549.00	SF	R	
209-074-070-3(Bell)	Control Panel	6605-01-064-7160		B16	1,345.00	PS	R	AH-1( )SCAS
209-074-080-3(Bell)	Sensor Amplifier	6605-01-064-7159		B16	4,831.00	PS	R	AH-1( )SCAS
209-074-080-103(Bell)	Sensor Amplifier	6615-01-079-3529		B16	4,871.00	PS	R	AH-1( )/SCAS
209-074-084-1(Bell)	Control Panel	6615-01-119-9261		B16	226.00	SF	R	AH-1( )/SCAS
209-074-092-1(Bell)	Armament Compensator	6605-01-064-7161		B16	468.00	PS	R	AH-1( )/SCAS
209-075-292-1(Bell)	FM Homing Antenna	5826-00-177-1606		B16	145.00	SF	R	
209-075-550-1(Bell)	VHF-AM Antenna	(See AS-3204/ARC)						
209-075-660-1(Bell)	Horiz. Situation Indicator	(See ID-2103/A)						
209-075-661-1(Bell)	Attitude Dir. Indicator	(See ID-2104/A)						
209-075-698-1(Bell)	Displacement Gyro	(See CN-1497)						
209-077-081-3(Bell)	HSI Display Control Panel	5826-01-083-9448		B16	515.00	SF	R	
209-077-081-5(Bell)	HSI Display Control Panel	5826-01-119-7141		B16	2,473.00	SF	R	
209-077-202-3(Bell)	FM Comm Antenna Assy	1560-01-064-4923		B17	2,352.00	SF	R	
209-077-203-1(Bell)	VHF/FM Antenna							
209-077-204-1(Bell)	ICS Filter	5915-01-087-8319		S9E	58.45	SF	R	
21-036312-01A(Applied Technology)	Antenna	5865-00-127-1574		FLZ	421.06	PS	R	AN/ALR-46
212-070-180-1(Bell)	RMI	(See ID-2105/A)						
214-077-092-1(Bell)	GS Antenna	(See AS-3188/ARN)						
2200(Tally)	Line Printer	7025-01-057-2621		B16	8,188.00	PS	R	AN/USM-393
* 29150-2(Marathon)	Battery Cell	6140-01-105-6511		B16	20.00	SF	R	BB-716/A
31-011203-01(Applied Technology)	Azimuth Indicator	5865-00-989-2107		B16	1,717.00	SF	R	AN/ALR-46, AN/APR-25
* 3390-1(Collins)	Distance Indicator	5821-00-813-9190		B16	874.00	APA	R	
369A4385(Hughes)	Homing Network	5915-00-179-2792		B16	103.00	SF	R	
369A4508(Hughes)	Homing Transformer	5950-00-782-4816		B16	84.14	SF	R	
369A4554(Hughes)	Static Inverter	6130-00-930-7466		B16	125.00	PS	R	
369A4575(Hughes)	Antenna Diplexer	5915-00-930-7547		S9E	119.02	SF	R	
369A4587(Hughes)	Microphone Filter	5950-00-933-3339		S9E	13.01	SF	R	

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
369A4654-603(Hughes)	Static Inverter	(See PP-6674/U)			$			
369A4675(Hughes)	Antenna Dixplexer	5915-00-134-0765		B16	451.00	SF	R	
369A6471(Hughes)	Mount	5895-00-179-4572		S9G	940.67	SF	R	KY-28(OH-6)
369A6472(Hughes)	Mount	5975-00-179-4571		S9G	311.89	SF	R	KIT-1A(OH-6)
*37P4(Collins)	Glideslope Antenna	5985-00-589-2475		S9E	133.93	SF	R	
5H120	Battery Cell	6140-00-033-9659		FFZ	18.39			BB-708/U
50-345772(Beech)	Mount							RT-698/ARC-102(U-21)
*50-640003-79	Antenna	1560-00-134-0987		S9I	837.00	SF	R	
516-2776-001(Collins)	Connector Kit	5935-00-695-4914		S9E	46.59	SF	R	AN/ARC-54
522-2929-001(Collins)	Static Inverter	6130-00-916-7156		FFZ	1,049.00			AN/ARC-102
550512	Speed Bros Assembly	1610-00-946-2414		B17	2,241.00	SF	R	AN/AJA-5
554-5363-005(Collins)	Mount	5821-00-682-1468		S9E	619.00	SF	R	AN/ARC-102
*554-5375-005(Collins)	Mount	5821-00-758-5632		B16	156.00	SF	R	AN/ARC-102
570-074-010-3(Bell)	Sensor Amplifier	5826-00-878-5339		B16	2,963.00	SF	R	AH-1( )SCAS
570-074-010-5(Bell)	Sensor Amplifier	5826-00-053-2080		B16	2,901.00	PS	R	AH-1( )SCAS
570-074-010-7(Bell)	Sensor Amplifier	5821-00-110-9849		B16	2,041.00	SF	R	AH-1( )SCAS
570-074-010-9(Bell)	Sensor Amplifier	5826-00-177-3481		B16	2,981.00	PS	R	AH-1( )SCAS
570-074-010-11(Bell)	Sensor Amplifier	5826-00-148-5980		B16	6,078.00	PS	R	AH-1( )SCAS
570-074-060-1(Bell)	Control Panel	5821-00-971-6129		B16	1,069.00	PS	R	AH-1( )SCAS
570-074-131-1(Bell)	Pylon Compensator	5826-00-878-6533		B16	238.00	SF	R	AH-1( )SCAS
570-074-131-3(Bell)	Pylon Compensator	5826-00-165-3044		B16	238.00	SF	R	AH-1( )SCAS
570-074-315-1(Bell)	Rate Gyro Sensor	6615-00-589-7745		N32	2,900.00			
570-074-315-3(Bell)	Rate Gyro Sensor	6615-01-065-7122		B16	3,526.00	PS	R	AH-1( )SCAS
6460-65010-041(Sikorsky)	ADF Sense Antenna	5985-00-254-6555		B16	457.00	PS	R	
6490-60500-041(Sikorsky)	Cruise Guide Amplifier	6615-00-437-2834		B16	245.00	SF	R	CH-54B
70400-06712-042(Sikorsky)	Stabilator Position Sensor	1560-01-137-3519		B17	2,084.00	SF	R	UH-60 AFCS
70600-01011-102(Sikorsky)	FM Low Pass Filter	(See LPF40-02B)						
70600-01019-104(Sikorsky)	FM/AM/ADF Antenna	5985-01-129-7463		B17	5,761.00	SF	R	UH-60
70600-06001-103(Sikorsky	Troop Commander's Antenna	1560-01-096-1036		S9I	1,027.00	SF	R	UH-60
70600-06002-105(Sikorsky)	FM Comm Antenna	5985-01-086-0057		S9E	3,864.15	SF	R	UH-60
70901-02002-106(Sikorsky)	Stick Position Sensor	1680-01-128-1763		B16	273.00	SF	R	UH-60 AFCS
*709299-801(Magnavox)	Converter Kit	5935-00-089-8052		S9E	48.57	SF	R	AN/ARC-131
9000C	Gyro	(See CN-1314/A)						
9000F	Gyro	6615-00-453-5669		B16	3,375.00	PS	R	
9111-B(DDC)	Disc Memory System	7025-01-057-2622		B16	30,396.00	PS	R	AN/USM-393

LATE ADDITIONS

AVIONICS SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AM-7106B/A	Electronic Amplifier	5826-01-166-7853		B16	$ 13,600.00	PS	R	UH-60A/EH-60A
AM-7121/ALQ-151	Buffer Amplifier	5865-01-115-9147		B46	775.00	PS	R	AN/ALQ-151(V)1 & 2
AM-7201/U	Amplifier Coupler	5821-01-172-2880		B16	3,204.00	PS	R	AN/ARC-199
AN/ALQ-136(V)4	Countermeasures Set	5865-01-186-9128		B16	175,000.00	APA	R	EH-1, EH-60A
AN/ALQ-136(V)5	Countermeasures Set	5865-01-186-9130		B16	175,000.00	APA	R	AH-64
AN/APN-209B(V)5	Radar Altimeter	5841-01-216-9468		B16	15,000.00	APA	R	
AN/ARC-199	NOE HF-SSB Radio Set	5821-01-167-8296		B16	11,363.00	APA	R	
AN/ARC-201(V)	Radio Set							
AN/ASN-99	Projected Map Display							
AN/ASN-143	Attitude Hdg. Ref. Set	6605-01-161-3919		B16	60,000.00	PS	R	
AN/ASN-143(V)3	Attitude Hdg. Ref. Set							
AN/ASQ-166	Integrated Avionics Cntrl Sys							
AN/UYH-1	Magnetic Memory Set	7025-01-134-3338		B16	37,248.00	PS	R	AN/ALQ-156(V)2
AN/UYK-19A	Computer	7035-01-134-7148		B16	52,709.00	PS	R	AN/ALQ-151(V)2
AN/UYK-64(V)2	Data Processing Set	7035-01-166-7857		B16	92,000.00	PS	R	AN/ASN-132
AN/UYQ-10(V)1	Plasma Display Set	7035-00-533-4464		B16	25,000.00	PS	R	AN/ALQ-151(V)1 & 2
AS-3649/ALQ-156(V)	Antenna	5985-01-162-6084		B16	9,716.00	SF	R	AN/ALQ-156(V)2 & 3
AS-3650/ALQ-156(V)	Antenna	5865-01-156-0437		B16	8,182.00	SF	R	AN/ALQ-156(V) 2 & 3
BA-5567/U	Battery	6135-01-090-5365		B16	9.40	SF	R	AN/AVS-6( )
C-10026/USQ	Receiver Cntrl Unit	5865-01-076-9050		B46	28,419.00	PS	R	AN/ALQ-151(V)2
C-10027/USQ	Control-Indicator	5865-01-071-1876		B46	75,432.00	PS	R	AN/ALQ-151(V)2
C-10050/USQ	Processor-Cntrl-Indicator	5865-01-070-8960		B46	12,863.00	PS	R	AN/ALQ-151(V)2
C-10144/ALQ-151	DF Control-Indicator	5865-01-070-8961		B46	50,030.00	PS	R	AN/ALQ-151(V)2
C-10414(V)1/ARC	Intercom Control	5895-01-167-8206		B15	6,021.00	SF	R	
C-10414(V)2/ARC	Intercom Control	5895-01-168-2938		B16	6,021.00	SF	R	
C-10414(V)3/ARC	Intercom Control	5895-01-168-7154		B16	6,021.00	SF	R	
C-11002/USQ	DF Control	5895-01-115-9154		B46	50,672.00	PS	R	AN/ALQ-151(V)2
C-11097/ASN-132(V)	Control-Indicator	6605-01-135-6328		B16	40,000.00	PS	R	AN/ASN-132
C-11124/ALQ-151(V)	Control	5865-01-132-1305		B46	6,000.00	PS	R	AN/ALQ-151(V)2
C-11245/U	Control	5821-01-172-2879		B16	1,225.00	PS	R	AN/ARC-199

LATE ADDITIONS

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
C-11466/ARC-201	Control				$			AN/ARC-201(V)
CN-811C/ASN	Vertical Displ Gyro	6615-01-157-6272		B16		PS	R	AN/ASN-132
CN-1158/ASN	Std Inertial Nav Sys							
CN-1314A/A	Gyro	6615-01-194-1909		B16	3,878.00	PS	R	AH-1G, CH-54, UH-60A, EH-60A
CN-1314B/A	Gyro	6615-01-187-0548		B16	4,828.00	PS	R	AH-1G, CH-54, UH-60A, EH-60A
CN-1314C/A	Gyro	6615-01-189-7976		B16	4,928.00	PS	R	AH-1G, CH-54, UH-60A, EH-60A
CU-2293/ALQ-151(V)	Coupler	5865-01-134-8602		B46	30,000.00	PS	R	AN/ALQ-151(V)2
CU-2305/ARC-199	Antenna Coupler	5985-01-177-0800						AN/ARC-199
CV-3739/ASN-132	Signal Data Converter	5826-01-142-3059		B16	5,000.00	PS	R	AN/ASN-132
CV-3885/ARC-201	Data Rate Adapter							AN/ARC-201
CX-13092/ARC-164(V)12	Cable Assembly	5995-01-068-6914		B16	738.00	PS	R	AN/ARC-164(V)12
CX-13092A/ARC-164(V)16	Cable Assembly	5995-01-125-1087		B16	140.00	PS	R	AN/ARC-164(V)16
CY-7440/AAS-32	Carrying Case	5860-01-071-5062		B16	800.00	PS	R	U/W AN/AAS-32
CY-7441/AAS-32	Carrying Case	5860-01-072-1014		B16	1,050.00	PS	R	U/W AN/AAS-32
F-1429/ALQ-151	Bandpass Filter	5915-01-104-8174		B46	28.75	SF	R	AN/ALQ-151(V)2
F-1515/ALQ-151	Harmonic Filter	5915-01-118-7575		B46	1,528.00	SF	R	AN/ALQ-151(V)2
ID-2103A/A	Horiz Situation Ind	6605-01-160-4442		B16	4,556.00	PS	R	CH-47D, AH-1S (Cliffton)
ID-2104A/A	Attitude Indicator	6610-01-135-2149		B16	5,944.00	PS	R	AH-1 (Cliffton)
ID-2277A/A	Vertical Situation Ind	5895-01-155-8315		B16	11,326.00	PS	R	UH-60A (Astronautics)
ID-2278A/A	Horz Situation Ind	6605-01-155-8326		B16	12,698.00	PS	R	UH-60A (Astronautics)
ID-2281/ASN-132(V)	Control & Display Unit							AN/ASN-132
ID-2300/ALQ-151	Panel Indicator	5865-01-132-1308		B46	10,000.00	PS	R	AN/ALQ-151(V)2
ID-2301/U	BDH Indicator	5865-01-132-1309		B46	6,000.00	PS	R	AN/ALQ-151(V)2
ID-2302/ALQ-151(V)	DF Panel Indicator	5865-01-132-1306		B46	10,000.00	PS	R	AN/ALQ-151(V)2
IP-1251/USQ	Panoramic Indicator	5865-01-071-1888		B46	18,150.00	PS	R	AN/ALQ-151(V)2
J-3986/ALQ-151(V)	Distribution Box	6110-01-134-8604		B46	9,000.00	PS	R	AN/ALQ-151(V)2
KY-836/ALQ-151	Transmitter Keyboard	5865-01-071-5301		B46	2,299.00	PS	R	AN/ALQ-151(V)2
MK-1564/AIC	Headset-Microphone	5965-01-164-0561		B16	205.00	SF	R	

LATE ADDITIONS

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
MT-3802A/ARC	Mount	5975-01-127-3961		B16	$ 293.00	SF	R	EH-1( )
MT-4698/AAS-32	Mount	5860-01-141-3900		B16	1,940.00	PS	R	U/W AN/AAS-32
MT-4915/A	Mount	5826-01-041-2044		FLZ	926.00			AN/ASN-132
MT-6373/ARC-201	Adapter Tray							AN/ARC-201(V)
MT-6374/ARC-201	Mount							AN/ARC-201(V)
MX-10250/USQ	RF Processor	5811-01-115-9146		B46	40,611.00	PS	R	AN/ALQ-151(V)1 & 2
MX-10251/USQ	Processor	5895-01-115-9145		B46	52,401.00	PS	R	AN/ALQ-151(V)1 & 2
MX-10374/UYK-19A	DF Interface	5999-01-159-4862		B16	3,953.00	PS	R	AN/ALQ-151(V)2
OE-344/ALQ-151(V)	Antenna Group							AN/ALQ-151(V)2
PP-7294A/USQ	Power Supply	5865-01-115-9153		B46	14,202.00	PS	R	AN/ALQ-151(V)1 & 2
PP-7292A/USQ	Power Supply	5865-01-115-9151		B46	14,185.00	PS	R	AN/ALQ-151(V)1 & 2
PP-7293A/USQ	Power Supply	5865-01-115-9152		B46	14,514.00	PS	R	AN/ALQ-151(V)1 & 2
PP-7472/TLQ-17A	Power Supply	5865-01-070-2027		B46	13,000.00	PS	R	AN/ALQ-151(V)1 & 2
PP-7798/A	Battery Charger	6130-01-135-5065		B16	7,800.00	PS	R	CH-47D 145ES014-1
R-2017/U	Radio Receiver	5895-01-020-8757		B46	150,000.00	PS	R	AN/ALQ-151(V)1 & 2
R-2107/TLQ-17A	Countermeasures Receiver	5865-01-070-2046		B46	94,000.00	PS	R	AN/ALQ-151(V)1 & 2
R-2136/ARC-164(V)12	Receiver	5821-01-072-1351		B16	3,399.00	PS	R	AN/ARC-164(V)12
R-2136A/ARC-164(V)16	Receiver	5821-01-128-7753		B16	2,800.00	PS	R	AN/ARC-164(V)16
RD-385A/UNH-16A	Sound Recorder	5835-00-332-2585		B46	8,950.00	PS	R	AN/ALQ-151(V)1 & 2
RE-1136/ALQ-151	Antenna Relay Ass'y	5865-01-134-8603		B46	6,000.00	PS	R	AN/ALQ-151(V)1 & 2
RT-1057A/ARN-103	Receiver-Transmitter	5826-00-626-8731		B16	72,155.00	PS	R	AN/ARN-103
RT-1145F/ARC-164	Receiver-Transmitter	5821-01-210-3415						OH-58D
RT-1159A/ARN-118	Receiver-Transmitter	5826-01-012-1938		B17	11,067.00	SF	R	AN/ASN-132
RT-1220A/ALQ-156	Receiver-Transmitter	5826-01-156-0455		B16	75,000.00	PS	R	AN/ALQ-156(V)2
RT-1220B/ALQ-156	Receiver-Transmitter	5865-01-156-0454		B16	75,000.00	PS	R	AN/ALQ-156(V)3
RT-1288A/ARC-164(V)16	Receiver-Transmitter	5821-01-122-7094		B16	29,557.00	PS	R	AN/ARC-164(V)16
*RT-1300B/ARC-186	Receiver-Transmitter	5821-01-208-1093						
RT-1432/U	Receiver-Transmitter	5821-01-172-2924		B16	6,810.00	PS	R	AN/ARC-199
RT-1471/APX	IFF Receiver-Transmitter	5841-01-215-5409						
RT-1476/ARC-201(V)	Receiver-Transmitter							
RT-1477/ARC-201(V)	Receiver-Transmitter							
RT-1478/ARC-201(V)	Receiver-Transmitter							
T-1386/TLQ-17A	Transmitter	5865-01-076-3064		B46	58,000.00	PS	R	AN/ALQ-151(V)1 & 2
TD-1354/ALQ-151	Time Code Generator	7035-01-132-1310		B46	10,000.00	PS	R	AN/ALQ-151(V)2
*RT-1354/ARC-186	Receiver-Transmitter	5821-01-208-1095						
*RT-1300/ARC-186	Receiver-Transmitter	5821-01-213-3980						

LATE ADDITIONS

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
TSEC/KG-45	Elect. Key Generator							AN/ALQ-151(V)1 & 2
T-772(P)/G	Line Printer	5815-01-127-5868		B16	$ 13,590.00	PS	R	AN/ALQ-151(V)2
C5074660	Foot Switch Ass'y							AN/ALQ-151(V)2
G-1169	Antenna							AN/ALQ-151(V)1
S65-8282-30	Antenna	5985-01-134-2291		B16	952.00	SF	R	CH-47D
137X-1(Collins)	VOR Antenna	5821-00-801-4671		S9E	1,938.00	SF	R	
1951-1-1009	Powerline Filter							AN/ALQ-151(V)1 & 2
19804-014	Standard Cell	6140-01-114-1219		B16	33.90	SF	R	BB-716/U
204-075-705-45	Caution Panel							AN/ALQ-151(V)1
209-030-133-7	Sense Antenna Panel	5826-01-085-3010		B16	1,384.00	PS	R	AH-1S
29230-003	Temperature Sensor Ass'y	6140-01-162-5234		B16	273.00	SF	R	U/W BB-716/U
3686-8000	Bite Antenna							AN/ALQ-151(V)1
406-074-015-101	Power Supply							OH-58D
406-075-802-101	Static Inverter	6130-01-186-8815		B16	3,908.00	PS	R	OH-58D
406-075-806-101	Battery	6140-01-186-8802		B16	1,857.00	PS	R	OH-58D
406-075-807-101	Battery Charger	6130-01-171-9161		B17	3,456.00	PS	R	
406-077-109-101	HF Antenna	5985-01-197-9237		S9E	224.00	SF	R	OH-58D
406-077-801-101	Audio Distribution Unit	5821-01-186-8804		B16	4,187.00	PS	R	OH-58D
406-077-802-101	Transducer	5821-01-186-8803		B16	3,000.00	PS	R	OH-58D
406-077-805-101	FM Antenna Coupler	5821-01-187-7803		B16	446.00	PS	R	OH-58D
406-077-817-101	Comm/Homing Antenna	5985-01-197-9347		S9E	336.00	SF	R	OH-58D
406-077-822-101	VHF/FM Bandpass Filter	5915-01-198-3921		S9E	224.00	SF	R	OH-58D
406-577-010-101	AM/FM Comm. Antenna							OH-58D
5065792-1	Power Sensor							OH-58D
56B3C	Temperature Sensor							OH-58D
8001671-901	Indicator Ass'y	1260-01-165-6369		B64	14,032.00	PS	R	OH-58D
8500056	Keyboard Ass'y	1260-01-170-4056		B64	2,814.00	SF	R	OH-58D
8500088-901	Controller Processor Unit	1260-01-166-5577		B64	40,251.00	PS	R	OH-58D
8500233-901	Remote Freq. Display	1260-01-169-8775		B64	7,681.00	SF	R	OH-58D

APPENDIX B

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

This appendix includes the tools and test equipment, listed alphanumerically, required to support avionics systems and components. Commercial items are listed by manufacturer's part number or noun following the military designated items. The following data is furnished, if available and where applicable:

TYPE NUMBER: Self-explanatory

NOMENCLATURE: A noun or brief descriptive group of terms which designates the family name of the item.

NATIONAL/NATO STOCK NUMBER (NSN): A thirteen-character number assigned to items of supply which are repetitively used, purchased, stocked or distributed within the Federal Supply System.

LINE ITEM NUMBER (LIN): A six-character alphanumeric identification of a generic nomenclature and of the line on which the generic nomenclature is listed in SB 700-20 and in Army Equipment authorization documents.

SOURCE OF SUPPLY (SOS): A three-character Routing Identifier Code which identifies the activity having item management responsibility and to which requisitions should be directed.

Code	*Activity*
AKZ	US Army Tank-Automotive Command Warren, MI 48090
AP5	US Army Support Activity, Philadelphia Philadelphia, PA 19101
A35	US Army General Materiel and Petroleum Activity New Cumberland, PA 17070
B14	US Army Armament Command Rock Island, IL 61201
B16	US Army Communications-Electronics Command Ft. Monmouth, NJ 07703
B17	US Army Troop Support and Aviation Materiel Readiness Command St. Louis, MO 63120
B46	US Army Electronics Materiel Readiness Activity Warrenton, VA 22186
B56	US Army Communications Security Logistics Agency Ft. Huachuca, AZ 85613
B63	US Army Biological Depot Walter Reed Army Medical Center Washington, DC 20012
B64	US Army Missile Command Redstone Arsenal, AL 35809

Code	*Activity*
B69	US Army Medical Materiel Agency Frederick, MD 21701
FFZ	Sacramento Air Logistics Center McClellan AFB, CA 95652
FGZ	Ogden Air Logistics Center Hill AFB, UT 84406
FHZ	Oklahoma City Air Logistics Center Tinker AFB, OK 73145
FLZ	Warner-Robins Air Logistics Center Robins AFB, GA 31098
FPH	San Antonio Air Logistics Center Kelly AFB, TX 78241
FPK	San Antonio Air Logistics Center Kelly AFB, TX 78241
FPZ	San Antonio Air Logistics Center Kelly AFB, TX 78241
G O	G Blank O identifies the item as managed by GSA. Closest source, as outlined in AR 725-50, applies to the second position of the code.
MPB	Marine Corps Logistics Base Code P840, Bldg 3700 Albany, GA 31704
N32	Navy Aviation Supply Office Philadelphia, PA 19111
N35	Navy Ships Parts Control Center Mechanicsburg, PA 17055
S9C	Defense Construction Supply Center Columbus, OH 43215
S9E	Defense Electronics Supply Center Dayton, OH 45444
S9G	Defense General Supply Center Richmond, VA 23297
S9I	Defense Industrial Supply Center Philadelphia, PA 19111
S9M	Defense Personnel Support Center Philadelphia, PA 19101
S9S	Defense Personnel Support Center Philadelphia, PA 19101
S9T	Defense Personnel Support Center Philadelphia, PA 19101

PRICE: Item cost according to the latest edition of the Army Master Data File (AMDF) available at the time of this printing.

APPROPRIATION CODE (FUND): Denotes principal (APA), secondary (PS), or stock fund (SF) items as indicated in the latest edition of the AMDF at the time of this printing.

LOGISTICS CENTER CODE (LCC): A one–character alphabetic code assigned to Army Adopted Items and other materiel to provide a basis for logistical support decisions; i.e., procurement, overhaul, repair parts, provisioning, requisitioning, distribution, etc. These codes are:

A	Items/systems acceptable for the intended mission.
B	Items/systems acceptable for the intended mission which normally are being replaced through modernization.
D	Items/systems undergoing development which have not qualified for type classification.
F	Mission Essential Contingency Items (MECI).
N	Is entered only if items have not been separately type classified.
O	Obsolete Items.
R	Non-LIN related items not appearing in SB 700–20.
S	Contingency items other than MECI that are suitable for training.
T	Items classified as Limited Procurement to Provide quantities for test.
U	All items type classified for Limited Procurement.

PREFERRED ITEMS LIST (PIL): Indicates items which are on the Department of Army TMDE Preferred Items List.

APPLICABLE PUBLICATIONS: Self-explanatory.

EQUIPMENT SUPPORTED: Self-explanatory. General purpose is listed if the item supports three or more individual end items.

COMMERCIAL EQUIVALENT: Self-explanatory.

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AM-3261/ASW-12	Servoamplifier	6110-00-868-8129	S80819	S9G	$ 666.00	SF	A		TM 11-6625-1821 Series	AN/ASW-12	
*AM-4825A/U	Amplifier	6625-00-982-2977	A46684	B16	512.30	SF	A				HP 461A
AM-6880/U	Amplifier	6625-00-185-7817	A49038	B16	1,168.00	SF	A			AN/USQ-61A	TEK 7A18N
AN/AAM-10	Test Target, Thermal	6625-00-064-6101	W01728	B16	2,735.00	APA	A		TM 11-6625-511 Series	AN/AAS-14	Singer 67821
AN/AAM-12	Test Set, IR Detector	6625-00-987-9058	V80834	B16	25,000.00	APA	A		TM 11-6625-531 Series	AN/AAS-14	Singer 67818
AN/AAM-13	Optical Test Table	6625-00-064-6445	W01591	B16	5,592.00	APA	A		TM 11-6625-511 Series	AN/AAS-14	Singer 67812
AN/AAM-26	Generator, Video Signal	5850-00-946-9999	J59966	B16	18,963.00	APA	A		TM 11-6625-676 Series	AN/TAQ-1	Singer 87811
AN/AAM-28	Test Set, Optical Alignment	6625-00-937-5251	V82204	B16	8,814.00	APA	A		TM 11-6625-1603 Series	AN/AAS-14	Singer 89105
AN/AAM-29	Test Set, Cryogenic Refrig.	5850-00-832-9949	R72340	B16	15,975.00	APA	A		TM 11-6625-1604 Series	AN/AAS-14	Airesearch 904046-2-1
AN/AAM-30	Test Set, Resolution	6625-00-433-2405	V91241	B16	53,515.00	APA	A	X	TM 11-6625-1732 Series	AN/AAS-24	TI 692483-1
AN/AAM-31	Test Set, Rcvr Detecting Sub-Assy	6625-00-403-5839	V90304	B16	40,000.00	APA	A	X	TM 11-6625-1828 Series	AN/AAS-24	TI 692558-1
AN/AAM-32	Test Set, Recorder Film Magazine	6625-00-403-1065	V90458	B16	36,923.00	APA	A	X	TM 11-6625-1827 Series	AN/AAS-24	TI 692537-1
AN/AAM-33	Test Set, Terrain Calib. Indicator	6625-00-403-1070	V99020	B16	35,385.00	APA	A	X	TM 11-6625-1826 Series	AN/AAS-24	TI 692516-1
AN/AAM-34	Test Set, Pwr Supply Control Panel	6625-00-403-1071	V83214	B16	29,231.00	APA	A	X	TM 11-6625-1825 Series	AN/AAS-24	TI 692495-1
AN/AAM-35	Test Set, Converter Sub-Assy	6625-00-403-1064	V71929	B16	55,385.00	APA	A	X	TM 11-6625-1824 Series	AN/AAS-24	TI 692579-1
AN/AAM-36	Test Set, Optical Alignment	6625-00-408-5040	V82238	B16	24,615.00	APA	A	X	TM 11-6625-1733 Series	AN/AAS-24	TI 692526-1
AN/AAM-37	Test Set, Cyrogenic Refrig.	4130-00-407-7076	V72340	B16	78,685.00	APA	A		TM 11-6625-1737 Series	AN/AAS-24	TI 7250341
AN/AAM-38	Test Set, IR Detecting Set	6625-00-459-3402	V80868	B16	147,064.00	APA	A	X	TM 11-6625-1823 Series	AN/AAS-24	TI 633288-1
AN/AAM-39	Test Set, Plug In Unit	6625-00-459-3403	V76434	B16	92,238.00	APA	A	X	TM 11-6625-1822 Series	AN/AAS-24	TI 633289-1
AN/AAM-40	Test Set, Cyrogenic Refrig.	4130-00-197-6347	V72344	B16	78,461.00	APA	A	X	TM 11-6625-2446 Series	AN/AAS-24	TI 694708-1

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/AAM-55	Test Set, Airborne Laser Tracker	5860-01-070-3842	T13751	B16	$ 60,000.00	APA	A		TM 11-6625-2638 Series	AN/AAS-32	
AN/AAM-56	Alignment Set, Airborne Laser Trckg	5860-01-070-3843	Z04716	B16	25,000.00	APA	R		TM 11-6625-2685 Series	AN/AAS-32	
AN/AKM-2	Test Set, Radar Data Set	6625-00-855-8998	V99329	B16	8,000.00	APA	R		TM 11-6625-826 Series	AN/AKT-18	Motorola 201-31585
AN/AKM-2A	Test Set, Radar Data Set	6625-00-966-1961	V99329	B16	65,485.47	APA	B		TM 11-6625-826 Series	AN/AKT-18	Motorola 01-22240G01
* AN/ALM-166	Test Set, Countermeasures	6625-00-631-6460	V71963	B16	45,754.00	APA	R		TM 11-6625-2676 Series	AN/ALQ-147	
AN/ALM-166A	Test Set, Countermeasures	6625-01-078-2490	T72031	B16	41,556.00	APA	A		TM 11-6625-2972 Series	AN/ALQ-147A	Sanders 4017877G1
AN/ALM-178	Test Set, Counter measures	6625-01-038-8243	T60338	B16	9,477.00	APA	A		TM 11-6625-2739 Series	AN/ALQ-144	Sanders SM-D-879348
AN/APM-66	Test Set, Radar	6625-00-553-8008	V83369	B16	3,520.00	APA	A		TM 11-6625-398 Series	AN/APN-22	Raytheon
AN/APM-123(V)1	Test Set, Transponder	6625-00-948-0071	V99347	B16	7,881.00	APA	B	X	TM 11-6625-667 Series	AN/APX-44, 72, 100	
AN/APM-196A	Test Set, Recorder Processor Viewer	6625-00-089-9657	V90475	B16	6,933.00	APA	A		TM 11-6625-571 Series	RO-166	Motorola 01-27867A01
AN/APM-214	Alignment Fixture, Recorder	6625-00-013-6934	01013A	B16	11,986.00	APA	R		TM 11-6625-598 Series	AN/APS-94C	Motorola 01-28211C01
AN/APM-239A	Test Set, Transponder	6625-00-802-7425	V99416	B16	3,000.00	APA	B		TM 11-6625-842 Series	AN/APX-72, 100	Hazeltine 119598-1
AN/APM-245A	Test Set, Simulator	4920-00-164-6551	V92715	FPZ	8,240.00	APA	B		TM 11-6625-1711 Series	AN/APX-72, 100	
AN/APM-246	Test Set, Radar	6625-00-943-2059	V83667	B16	10,300.00	APA	A	X	TM 11-6625-664 Series	AN/APN-158	Collins 979A-1
AN/APM-247	Test Set, Radar	6625-00-908-9577	V83668	B16	5,251.00	APA	A	X	TM 11-6625-664 Series	AN/APN-158	Collins 978G-1
AN/APM-305	Test Set, Transponder	6625-00-179-1532	V99436	B16	18,422.00	APA	A		TM 11-6625-2611 Series	AN/APX-72, 100	Teledyne 152000
AN/APM-305A	Test Set, Transponder	6625-01-052-3881	V99436	B16	18,225.00	APA	R		TM 11-6625-2611 Series	AN/APX-72,100	Teledyne 152000
AN/APM-322	Test Set, Radar Altimeter Module	6625-00-437-7312	V86006	B16	4,750.00	APA	A	X	TM 11-6625-1795 Series	AN/APN-171	Honeywell UG2307AA02
AN/APM-323	Test Set, Radar Altimeter System	6625-00-491-0580	V86011	B16	8,850.00	APA	A	X	TM 11-6625-1746 Series	AN/APN-171	Honeywell UG2308AA02
AN/APM-338	Test Set, Plug In Unit	6625-00-423-6617		B16	26,516.66	APA	R		TM 11-6625-2571 Series	AN/APX-72	Bendix 2031196-0501

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/APM-378	Test Set, Transponder	4920-00-134-1533	T49324	B16	$ 14,390.00	APA	A		TM 11-4920-296 Series	AN/APX-72, AN/APX-100	Bendix 4035500-0501
AN/APM-379	Test Set, Signal Proc	6625-00-528-6710	Z50499	FLZ	32,901.00				TM 11-6625-2679 Series	AN/ALR-46	
AN/APM-380	Test Set, Electronic Ckt. Plug In Unit	6625-00-095-9861	Z25183	B16	28,158.14	APA	R		TM 11-6625-2681 Series	AN/ALR-46	Appl Tech 31-032487-02
AN/APM-381	Test Set, Receiver	4920-00-472-1545	Z19420	B16	16,896.00	SF	R		TM 11-6625-2680 Series	AN/ALR-46	Appl Tech 31-020304-52
AN/APM-415	Test Set, Processor	6625-01-061-1236	T42031	B16	50,000.00	APA	A			AN/APR-39(V)2	
AN/APM-421	Transponder Test Set	4920-01-078-0271	Z84530	B16	15,500.00	APA	R			AN/APX-72, AN/APX-100	
AN/APM-424	Test Set, Transponder	6625-01-076-3416		B16	4,270.00	APA	R			AN/APX-72, AN/APX-100	
AN/ARM-5	Test Set, Radio	6625-00-669-0272	V86383	B16	904.00	APA	A	X	TM 11-518 Series	General Purpose	ARC 15009
AN/ARM-5A	Test Set, Radio	6625-00-926-7768	V86383	B16	2,115.00	APA	A	X	TM 11-6625-828 Series	General Purpose	ARC H-14A
AN/ARM-8	Test Set, Radio	6625-00-628-1262	V86520	B16	492.00	APA	B		TM 11-6625-221 Series	AN/ARC-44, 45	Bendix N650194-1
AN/ARM-22	Test Set, Radio	6625-00-523-4291	V86588	B16	16,000.00	APA	R		TM 11-6625-1650 Series	AN/ARN-52	Hoffman 666097-804
AN/ARM-22A	Test Set, Radio	6625-00-930-9920	V86588	FPZ	16,000.00	APA	B		TM 11-6625-1650 Series	AN/ARN-52	Hoffman 666219-806
AN/ARM-31	Test Set, Indicator	6625-00-580-8142	V80012	B16	8,141.00	APA	R		TM 11-6625-1648 Series	AN/ARN-52	
AN/ARM-31A	Test Set, Indicator	6625-00-179-7719	V80012	B16	9,000.00	APA	B		TM 11-6625-1648 Series	AN/ARN-52	Stromberg 666096-010
AN/ARM-45	Test Set, Radio	6625-00-855-9447	V86784	B16	1,623.00	APA	A		TM 11-6625-409 Series	AN/ARC-73	Collins 476M-1
AN/ARM-63	Test Set, Radio	6625-00-868-8323	V87205	B16	3,098.00	APA	A	X	TM 11-6625-556 Series	General Purpose	ARC BTK-35A
AN/ARM-68	Test Set, Radio	6625-00-889-1572	V87342	B16	638.00	APA	A		TM 11-6625-447 Series	AN/ARC-44, 45	Admiral GB 3555
AN/ARM-69	Converter, Frequency	6625-00-082-4281	F01197	B16	850.00	APA	A	X	TM 11-6625-636 Series	General Purpose	ARC BTK-34A
AN/ARM-71	Test Set, Radio Rec	6625-00-965-1341	V90356	B16	2,047.00	APA	A	X	TM 11-6625-583 Series	R-844	Esterline BTS-40
AN/ARM-84	Test Harness	6625-00-134-1570	V59632	B16	600.00	APA	B		TM 11-6625-1649 Series	AN/APN-52	
AN/ARM-87	Test Set, Plug In Unit	6625-00-908-0358	V76466	B16	3,854.00	APA	A		TM 11-6625-467 Series	AN/ARC-54	Collins 522-5684-005
AN/ARM-92	Test Set, Receiver	6625-00-999-5118	V90287	B16	2,435.00	APA	B		TM 11-6625-820 Series	AN/ARN-82	Collins 552-4459-001
AN/ARM-92A	Test Set, Receiver	6625-00-159-2399	V90287	B16	4,208.00	APA	B		TM 11-6625-820 Series	AN/ARN-82A	Collins 476U-3
AN/ARM-92B	Test Set, Receiver	6625-00-631-5501	V90287	B16	4,400.00	APA	A	X	TM 11-6625-2709 Series	AN/ARN-30, 82, 123, R-1963	Collins 622-2301-001
AN/ARM-93	Test Set, DF Set	6625-00-999-5119	V73847	B16	2,230.00	APA	A	X	TM 11-6625-821 Series	AN/ARN-83	Collins 477U-3
AN/ARM-94	Test Set, Transmitter	6625-00-950-1124	V99295	B16	3,348.00	APA	A		TM 11-6625-834 Series	AN/ART-41A	Singer 85090
AN/ARM-109	Test Set, Antenna Coupler	6625-00-903-6385	V63589	B16	7,928.00	APA	A		TM 11-6625-1636 Series	CU-1658	Collins 980H-1
AN/ARM-115	Test Set, Antenna	6625-00-935-4293	V63538	B16	1,733.00	APA	A		TM 11-6625-1702 Series	AS-2285	Collins 980X-1
AN/ARM-156	Test Set, Radio	6625-00-086-6304	V81663	B16	30,000.00	APA	A		TM 11-6625-2606 Series	AN/ARN-103	Hoffman 8170000930
AN/ARM-180	Test Set, Receiver	6625-01-041-4161	T35551	B16	12,724.00	APA	U		TM 11-6625-2975 Series	AN/ARN-82, 123, R-1963	Collins 479S-6

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/ARM-186	Test Set, Receiver	6625-00-557-1168	T90321	B16	$ 8,194.68	APA	U		TM 11-6625-2976 Series	AN/ARN-82, 123, R-1963	Collins 972Q-4
AN/ASM-61	Test Set, Gyro Magnetic Compass	6625-00-885-5869	V79807	B16	798.00	SF	A		TM 11-6625-247 Series	AN/ASN-13, J-2	Elec. Brazing 349-00
AN/ASM-80	Analyzer, Flight Line	6625-00-987-9382	A55704	B16	5,673.00	APA	A	X	TM 11-6625-518 Series	AN/ASW-12	Sperry 2586090
AN/ASM-80A	Analyzer, Flight Line	6625-00-939-5894	A55704	B16	6,169.00	APA	A		TM 11-6625-518 Series	AN/ASW-12	Sperry 2586090-1
AN/ASM-101	Test Set, Resolver	6625-00-086-7844	V91178	B16	388.00	APA	A	X	TM 11-6625-492 Series	AN/ARN-82, AN/ASN-33	Collins 479X-2
AN/ASM-110	Test Set, Indicator	6625-00-863-3402	V80081	B16	900.00	APA	A	X	TM 11-6625-481 Series	AN/ARN-82, AN/ASN-33	Collins 477Q1
AN/ASM-111	Test Set, Indicator	6625-00-863-3400	V80082	B16	900.00	APA	A	X	TM 11-6625-480 Series	AN/ASN-33	Collins 477P1
AN/ASM-112	Simulator, Servo Signal	6625-00-973-1393	T58114	B16	512.93	APA	A	X	TM 11-6625-482 Series	AN/ASN-33	Collins 474M-1
AN/ASM-113	Simulator, Nav. Signal	6625-00-863-3403	T56676	B16	990.00	APA	A	X	TM 11-6625-479 Series	AN/ASN-33	Collins 477N-1
AN/ASM-120	Simulator, Acft Displacement	6625-00-906-6406	T54121	B16	5,274.00	APA	A	X	TM 11-6625-613 Series	CH-47 SAS	Boeing 114E5988-1
AN/ASM-121	Test Set, Amplifier	6625-00-133-7898	V63318	B16	9,409.00	PS	R	X	TM 11-6625-614 Series	CH-47 SAS	Boeing 114E5989-1
AN/ASM-125	Analyzer, Bench Test	6625-00-987-9381	A55156	B16	7,994.00	APA	A		TM 11-6625-517 Series	AN/ASW-12	Sperry 2592035
AN/ASM-126	Test Set, Propeller Synchrophaser	1610-00-967-9647	V83300	B16	7,400.00	APA	A	X	TM 11-6625-548 Series	AN/AJA-5	Grumman 134SEAV2001-1
AN/ASM-127	Test Set, Propeller Synchrophaser	1610-00-967-9651	V83305	B16	634.85	APA	A	X	TM 11-6625-549 Series	AN/AJA-5	Grumman 134SEAV2501-1
AN/ASM-137	Analyzer-Charger, Battery	6625-00-759-2882	A55293	B16	1,322.70	APA	B		TM 11-6625-678 Series	NICAD Batteries	Sonotone PCA-131
AN/ASM-137A	Analyzer-Charger, Battery	6130-00-238-4433	A55293	B16	975.00	APA	B		TM 11-6130-367 Series	NICAD Batteries	Western 170-008-000-0
AN/ASM-289	Test Set, Power Supply	6625-00-927-3516	V83129	B16	500.00	APA	B		TM 11-6625-687 Series	AN/ASN-64	Marconi 409-050
AN/ASM-297	Test Set, Module	4920-00-839-6672	V81671	B16	12,934.00	APA	A	X	TM 11-6615-253 Series	AN/ASN-76	GE A2141
AN/ASM-298	Test Set, Bench	4920-00-851-8749	V69826	B16	8,792.00	APA	A	X	TM 11-6615-252 Series	AN/ASN-76	GE A2140
AN/ASM-299	Test Set, Line Maintenance	4920-00-851-8747	V81485	B16	12,100.00	APA	A	X	TM 11-6615-254 Series	AN/ASN-76	GE A1976G4
AN/ASM-329	Test Set, Flight Control	4920-00-087-6643	V69841	B16	8,200.00	APA	A		TM 11-4920-294 Series	AN/ASW-29	Sikorsky 6470-90010-012
AN/ASM-330	Test Set, Flight Control	4920-00-087-6644	V77512	B16	2,725.00	APA	A		TM 11-4920-293 Series	AN/ASW-29	Sikorsky 6470-90120-014

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/ASM-338	Test Set, Electronic Systems	6625-00-878-7990	Z83073	B16	$ 1,750.00	APA	R		TM 11-6625-1704 Series	AH-1 SCAS	570-091-020-1(Bell)
AN/ASM-339(V)1	Calibrator Set, Magnetic Compass	6605-00-782-0281	C75260	B16	35,813.00	APA	B		TM 11-4920-292 Series	AN/ASN-43, DT-173/AJN	Sperry 2592080-8
AN/ASM-365	Test Set, Reproducer Converter	6625-01-008-8738	R83677	S9E	463.97	SF	R		TM 11-6625-1817 Series	AN/ASH-19	Nortronics 09636600-601B
AN/ASM-385	Test Set, Gyro Stab Platform	6625-00-404-3281	V79841	B16	82,707.00	APA	A	X	TM 11-6625-2440 Series	AN/ASN-86	Litton 237109
AN/ASM-386	Test Set, Nav. Computer Cont. Ind.	6625-00-404-3280	V81884	B16	291,160.00	APA	A	X	TM 11-6625-2441 Series	AN/ASN-86	Litton 237110
AN/ASM-404	Test Set, Analog Module	6625-00-470-7540	V63420	B16	178,000.00	APA	A	X	TM 11-6625-2439 Series	AN/ASN-86	Litton 244675
AN/ASM-416	Test Set, Signal Converter	6625-00-463-4013	V92171	B16	4,175.00	APA	B		TM 11-6625-2411 Series	CV-2809/ASH-19	RCA 2147979-501
AN/ASM-417	Test Set, Bench Flight Control Set	4920-00-176-4112	V69862	B16	35,505.00	APA	A		TM 11-4920-294 Series	CH-54B AFCS	Sikorsky 6470-90150-041
AN/ASM-418	Test Set, Flight Control Set	4920-00-176-4114	V77546	B16	11,432.00	APA	A		TM 11-4920-293 Series	CH-54B AFCS	Sikorsky 6470-90130-041
AN/ASM-421	Test Set, Digital Module	6625-00-480-5697	V73770	B16	350,000.00	APA	A		TM 11-6625-2481 Series	AN/ASN-86	Litton 244935
AN/ASM-615	Electronic Shop, Mobile	4940-01-053-5534	Z25336	B16	400,000.00	APA	R			GRV	
AN/ASM-617	Electronic Shop, Mobile	4940-01-072-4449	Z25339	B16	325,000.00	APA	R			GRV	
AN/AYM-1	Test Set, Indicator Controller	6625-00-927-3507	V80560	B16	300.00	APA	B		TM 11-6625-686 Series	AN/ASN-64	Marconi 409-045
AN/AYM-8	Test Set, Signal Data Converter	6625-00-137-2289	V92239	B16	50,004.00	APA	A	X	TM 11-6625-2479 Series	AN/AYA-10	Grumman 134SEAV10001-1
AN/AYM-9	Test Set, Con. Mon. Rec. Head	6625-00-150-1882	V71792	B16	41,304.00	APA	A	X	TM 11-6625-2478 Series	AN/AYA-10	Grumman 134SEAV10012-1
AN/GKM-2	Test Set, Radar Data	6625-00-855-8996	V90424	B16	8,000.00	APA	R		TM 11-6625-827 Series	AN/TKQ-2	Motorola 201-31584
AN/GKM-2A	Test Set, Radar Data	6625-00-906-3325	V90424	B16	5,124.00	APA	B		TM 11-6625-827 Series	AN/TKQ-2	Motorola 01-22120G01
AN/GPM-42	Test Set, Signal Comparator	6625-00-682-4815	V83780	B16	6,055.00	APA	A		TM 11-6625-272-569 Series	AN/APS-94C	Motorola 201-21761
AN/GPM-46	Test Set, Radar	6625-00-855-8938	V83917	B16	2,869.00	APA	A		TM 11-6625-458-561 Series	AN/APS-94C	Motorola 201-29140

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/GPM-52	Test Set, Indicator	6625-00-987-9453	V80355	B16	$ 11,554.00	APA	A		TM 11-6625-562 Series	AN/APS-94C	Motorola 201-42552
AN/GPM-60	Simulator, Doppler	6625-00-945-8494	T55412	B16	3,551.00	APA	B		TM 11-5841-267 Series	AN/ASM-64	Marconi 409-030
*AN/GPM-61	Test Set, Indicator	6625-00-144-3179	V80423	B16	42,431.00	APA	A	X	TM 11-6625-1749 Series	AN/APS-94D	Motorola 01 P00690A001
AN/GSM-6	Test Set, Insulation Breakdown	6625-00-542-1331	V81177	B16	1,511.00	PS	A	X	TM 11-6625-273 Series	General Purpose	Biddle 1-22001
AN/GSM-64	Voltmeter, Digital	6625-00-870-2264	Y14526	B16	1,831.00	APA	R	X	TM 11-6625-444 Series	General Purpose	Nonlinear V35A
AN/GSM-64A	Voltmeter, Digital	6625-00-165-5779	Y14526	B16	1,846.00	APA	B		TM 11-6625-2616 Series	General Purpose	Nonlinear 34-2
AN/GSM-64B	Voltmeter, Digital	6625-00-022-7894	Y14526	B16	2,031.00	APA	B	X	TM 11-6625-444 Series	General Purpose	Fluke 8400A
AN/GSM-64C	Voltmeter, Digital	6625-01-124-0834		B16	1,565.00	APA	R			General Purpose	
AN/GSM-65	Test Set, Motor Generator	4920-00-348-5793	V81862	B16	3,188.00	APA	A	X	TM 11-6625-680 Series	General Purpose	Advance Inst. 154-01
*AN/MSM-105(V)1	Test & Repair System	6625-01-098-6764	T99930	B16	1600,000.00	APA	U		TM 11-6625-3019 Series		
AN/PPM-1	Generator, Pulse	6625-00-503-0661	J33711	B16	443.00	SF	A		TM 11-6625-237 Series	AN/ALQ-147, AN/APN-158, AN/ARN-52	HP 212A
AN/PPM-10	Test Oscillator	6625-00-339-2046	V82547	B16	259.00	PS	A		TM 11-6625-276 Series	AN/APS-94C,AN/ARC-44	Taffet 9TV
AN/PRM-32	Test Set, Radio	6625-00-803-3399	V87599	B16	290.00	APA	B		TM 11-6625-2632 Series	AN/PRC-90	Sylvania 01-520498-2
AN/PRM-32A	Test Set, Radio	6625-01-013-9900	V87599	B16	612.85	APA	R		TM 11-6625-2632 Series	AN/PRC-90	ACR RC/TS-20
*AN/PRM-34	Test Set, Radio	6625-01-094-5646	R93169	B16	1,400.00	APA	U		TM 11-6625-3015 Series	AN/VRC-12,AN/PRC-68	
AN/PSM-45( )	Multimeter, Digital	6625-01-139-2572	Z22155	B16	130.00	SF	R		TM 11-6625-3052 Series	General Purpose	Simpson 467
AN/UAM-11	Simulator Set, Sys Ind.	5895-00-949-5303	T58148	B16	49,797.00	APA	A		TM 11-5895-519 Series	AN/AAS-14, AN/ART-41 AN/TAQ-1	Singer 80981
AN/UAM-12	Test Set, Signal Data Conv.	6625-00-916-9688	V92307	B16	39,459.00	APA	A		TM 11-6625-832 Series	AN/AAS-14, AN/TAQ-1	Singer 89110
AN/UDM-1	Test Set, Radiac	6665-00-669-0077	C75466	B14	2,300.00	PS	A		TM 11-6665-217 Series	AN/ADR-6	
AN/UDM-2	Test Set, Radiac	6665-00-179-9037	C75606	B16	500.00	APA	A		TM 11-6665-217 Series	AN/ADR-6	
AN/UKM-5	Test Set, Electronics Systems	6625-01-073-9858	E61066	B16	62,000.00	APA	R		TM 11-6625-2937 Series	AN/AKT-18B,AN/TKQ-2B	
AN/UPM-15	Generator, Pulse	6625-00-643-5959	J33780	B16	332.00	APA	B		TM 11-6625-368 Series	General Purpose	Stamford AS-1018
AN/UPM-15A	Generator, Pulse	6625-00-682-2581	J33780	B16	430.00	APA	A		TM 11-6625-368 Series	General Purpose	ARF 1-1997
AN/UPM-33A	Test Set, Radar	6625-00-539-8587	V84328	B16	1,134.00	PS	A	X	TM 11-6625-297 Series	AN/APS-94C,AN/TPN-18	
AN/UPM-84	Analyzer, Spectrum	6625-00-557-8262	A56937	B16	8,624.00	APA	A		TM 11-6625-359 Series	General Purpose	Polarad B110026

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/UPM-84A	Analyzer, Spectrum	6625-00-411-3072	A56937	B16	$ 3,084.00	APA	A	X	TM 11-6625-359 Series	General Purpose	Aul A15216
AN/UPM-93	Test Set, Electrical Power	6625-00-581-2097	V74738	B16	400.00	SF	A	X	TM 11-6625-303 Series	General Purpose	Winslow 364-1
AN/UPM-93C	Test Set, Electrical Power	6625-00-971-6210	V74738	B16	391.00	SF	A	X	TM 11-6625-303 Series	General Purpose	Trilon 15-001
AN/UPM-98A	Test Set, Radar	6625-00-912-0429	V84876	B16	9,791.00	APA	B		TM 11-6625-403 Series	AN/APX-44, 72, 100	Admiral GJ4710
AN/UPM-98B	Test Set, Radar	6625-00-403-7990	V84876	B16	9,249.00	APA	B		TM 11-6625-403 Series	AN/APX-44, 72, 100	Admiral GE4711
AN/UPM-133	Analyzer, Spectrum	6625-00-013-7033	A57211	B16	2,210.00	APA	R		TM 11-6625-607 Series		Singer SB15A
AN/URM-25D	Generator, Signal	6625-00-649-5193	J52549	B16	287.14	APA	B		TM 11-6625-278 Series	General Purpose	Federal 315
AN/URM-25F	Generator, Signal	6625-00-643-1548	J52549	B16	500.00	APA	B		TM 11-5551	General Purpose	New London 162-D-003
AN/URM-44	Generator, Signal	6625-00-643-2811	J52823	B16	1,655.00	APA	B		TM 11-6625-412 Series	AN/APR-25/26	
AN/URM-44A	Generator, Signal	6625-00-990-7700	J52823	B16	1,655.00	APA	A	X	TM 11-6625-412 Series	AN/APR-25/26	Cosmos 135D000
AN/URM-52	Generator, Signal	6625-00-556-8107	J53234	B16	1,267.00	PS	A		TM 11-6625-214 Series	AN/ALR-46, AN/APN-171	HP 618BE106
AN/URM-52B	Generator, Signal	6625-00-965-1501	J53234	B16	1,769.00	PS	A	X	TM 11-6625-214 Series	General Purpose	Inland C-674-100
AN/URM-61A	Generator, Signal	6625-00-519-2056	J53371	B16	2,140.00	APA	A		TM 11-6625-268 Series	AN/ALR-46, AN/APR-25/26	Transitron C-0153-03007
AN/URM-64	Generator, Signal	6625-00-553-0433	J53508	B16	730.00	APA	A	X	TM 11-6625-299 Series	AN/APX-44, 72	Bay C0161-04001
AN/URM-64A	Generator, Signal	6625-00-087-4795	J53508	B16	1,196.00	APA	A	X	TM 11-6625-299 Series	AN/APX-44,72,AN/ARN52	Orion 031204-000
AN/URM-79	Frequency Meter	6625-00-668-9749	J00593	B16	1,332.00	APA	B		TM 11-6625-300 Series	General Purpose	
AN/URM-80	Frequency Meter	6625-00-649-4286	J00730	B16	1,205.72	APA	B	X	TM 11-6625-284 Series	General Purpose	Lavoie 131135
AN/URM-81	Frequency Meter	6625-00-539-9910	J00867	B16	2,365.00	APA	B		TM 11-6625-312 Series	General Purpose	
AN/URM-90	Test Set, Cap-Ind-Res	6625-00-534-7458	C20551	B16	2,516.00	SF	A	X	TM 11-6625-317 Series	General Purpose	Electro 250DA
AN/URM-98	Wattmeter	6625-00-566-4990	Y38404	B16	1,322.00	PS	A		TM 11-6625-433 Series	AN/APN-171	HP 430C
AN/URM-101B	Radio Test Set	4920-00-911-7246	V87684	B16	3,715.00	APA	B		TM 11-6625-1634 Series	AN/ARN-52	General 374-2
AN/URM-103	Generator, Signal	6625-00-868-8352	J53682	B16	2,643.00	APA	B	X	TM 11-6625-586 Series	General Purpose	Marconi TF1066B
AN/URM-105	Multimeter	6625-00-581-2036	M80002	FPZ	45.70	PS	B	X	TM 11-6625-203 Series	General Purpose	
AN/URM-105B	Multimeter	6625-00-884-1758	M80002	FPZ	54.79	PS	B		TM 11-6625-203 Series	General Purpose	
AN/URM-105C	Multimeter	6625-00-999-6282	M80002	B16	82.00	PS	B	X	TM 11-6625-203 Series	General Purpose	Barnett B105
AN/URM-120	Test Set, RF Power	6625-00-790-2746	V89534	B16	799.00	SF	A	X	TM 11-6625-446 Series	General Purpose	Sierra SK13009-4
* AN/URM-120A	Test Set, RF Power	6625-01-039-1488	V89534	N35	1,090.00	SF	R		TM 11-6625-2982 Series	General Purpose	Sierra 164B-G3
AN/URM-127	Generator, Signal	6625-00-783-5965	J53712	B16	187.00	APA	A		TM 11-6625-683 Series	General Purpose	
AN/URM-145	Voltmeter, Electronic	6625-00-973-3986	Y14663	B16	427.00	PS	A		TM 11-6625-524 Series	General Purpose	Boonton 91CA
AN/URM-145B	Voltmeter, Electronic	6625-01-119-7271		B16	360.00	PS	R		TM 11-6625-524 Series		Millivac MV-828A

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TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/URM-157	Test Harness	6625-00-766-4685	V62066	B16	$ 2,969.00	APA	A	X	TM 11-6625-622 Series	AN/ARC-102	Collins 678P-2
AN/URM-157A	Test Harness	6625-00-236-1557	V62066	B16	5,284.00	APA	A	X	TM 11-6625-622 Series	AN/ARC-102	
AN/URM-172	Test Set, Radio	6625-00-832-8551	V89601	B16	200.00	APA	B		TM 11-6625-1698 Series	AN/URC-10	ACR Elec 56-06-0015P
AN/URM-184A	Distortion Analyzer	6625-00-802-8718	G26515	B16	1,179.00	APA	A	X	TM 11-6625-1576 Series	AN/ARC-164(V)12	HP 334A
AN/URM-200	Analyzer, Interference	6625-01-083-9446	Z53850	B16	27,931.00	APA	R		TM 11-6625-2949 Series		
AN/URM-206	Generator, Signal	6625-01-077-8503	S72214	B16	6,188.00	APA	A		TM 11-6625-2948 Series		POL 1608EY
AN/USA-34	Reader, Punched Tape	6625-00-491-3491	R17080	B16	16,446.00	APA	A		TM 11-5850-222 Series	AN/ASN-86	
AN/USM-37E	Indicator, SWR	6625-00-197-6910	K79859	B16	23,980.00	PS	R		TM 11-6625-369 Series	AN/APS-94C, AN/TPN-18	HP 415B
AN/USM-44A	Generator, Signal	6625-00-539-9685	J53782	B16	1,761.00	PS	B		TM 11-6625-508 Series	General Purpose	HP E02-608D
AN/USM-44B	Generator, Signal	6625-00-176-5708	J53782	B16	1,761.00	PS	B		TM 11-6625-508 Series	General Purpose	HP E02-608E
AN/USM-44C	Generator, Signal	6625-00-138-7773	J53782	B16	1,289.00	PS	A	X	TM 11-6625-2697 Series	General Purpose	Aul 100713
AN/USM-47	Generator, Signal	6625-00-445-6917	Z29309	B46	7,720.00	PS	D		TM 11-6625-2910 Series		HP 626A
AN/USM-48	Generator, Signal	6625-00-859-3421	Z31906	FPZ	8,446.00				TM 11-6625-2909 Series		HP 628A
AN/USM-83	Wattmeter, Calorimetric	6625-00-715-5590	Y38952	B16	1,950.00	APA	B		TM 11-6625-383 Series	AN/TPN-18	Cubic MC-18
AN/USM-98	Voltmeter, Electronic	6625-00-753-2115	Y14800	B16	1,626.00	APA	A		TM 11-6625-438-599 Series	General Purpose	Trio 801
AN/USM-108	Generator, Time Mark	6625-00-628-6515	J59810	B16	698.94	APA	A		TM 11-6625-542 Series	AN/APX-44	Tektronix 180A
AN/USM-108B	Generator, Time Mark	6625-00-038-7371	J59810	B16	699.00	APA	A	X	TM 11-6625-542 Series	AN/APX-44	PPM C-3924A
AN/USM-117	Oscilloscope	6625-00-787-0304	N30231	B16	1,081.00	APA	A		TM 11-6625-640 Series	TSEC/KY-28	Elec Tube 3211E3161
AN/USM-119	Adapter	6625-00-773-6102	A13797	B16	282.00	SF	A		TM 11-6625-476 Series	AN/TPN-18	MELS 189-100
AN/USM-127A	Generator, Signal	6625-01-014-4587		B16	264.00	APA	R			AN/ARQ-33A, AN/ARM-163, AN/ARN-83	
AN/USM-159	Frequency Meter	6625-00-892-5360	J01004	B16	654.00	APA	A	X	TM 11-6625-486 Series	General Purpose	Lavoie K-50110200
AN/USM-161	Test Set, RF Power	6625-00-892-5541	V89808	B16	781.00	APA	A	X	TM 11-6625-498 Series	General Purpose	Gen Microwave 457
AN/USM-183	Multimeter, Electronic	6625-00-821-2688		B16	414.00	PS	R			C-12	HP 412A
AN/USM-187	Test Set, Radar	6625-00-073-8082	V86331	B16	131,856.00	APA	N		TM 11-6625-591 Series	AN/APS-94C	Motorola 01-27898C01
AN/USM-198A	CRT Fixture Measuring	6625-00-073-8908	H62953	B16	4,000.00	APA	B		TM 11-5840-274 Series	AN/AKT-18, AN/APS-94C	Motorola 01-27865A01
AN/USM-203	Generator, Sweep Signal	6625-00-935-0145	J58919	B16	2,528.00	APA	B		TM 11-6625-1559-2575 Series	General Purpose	Jerrold 912-423
AN/USM-203A	Generator, Sweep Signal	6625-00-455-6894	J58919	B16	46.37	SF	R		TM 11-6625-2575 Series	General Purpose	Texscon 200-441
AN/USM-205	Generator, Signal	6625-00-788-9672	J53944	B16	610.00	APA	B		TM 11-6625-665 Series	AN/APS-94C	HP 650A

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TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/USM-205A	Generator, Signal	6625-01-007-4796	J53944	B16	$ 445.00	APA	A	X	TM 11-6625-2644 Series	AN/APS-94C	HP 650A
AN/USM-207	Counter, Electronic	6625-00-911-6368	F19198	B16	7,880.00	APA	B		TM 11-6625-700 Series	General Purpose	Dynasciences 6871
AN/USM-207A	Counter, Electronic	6625-00-044-3228	F19198	B16	2,610.71	APA	B	X	TM 11-6625-700 Series	General Purpose	Emitich C1804
AN/USM-213	Generator, Signal	6625-00-872-3215	J53974	B16	5,705.00	SF	A	X	TM 11-6625-1517 Series	AN/APR-39(V)1	HP 8614A
AN/USM-223	Multimeter	6625-00-999-7465	M80242	B16	116.00	SF	B		TM 11-6625-654 Series	General Purpose	
AN/USM-224	Voltmeter	6625-00-727-4706	V60660	B16	1,240.00	PS	A		TM 11-6625-1541 Series	AN/ARN-52	HP 3400A
AN/USM-231	Meter, Admittance	6625-00-511-0512		B16	662.00	SF	R			AN/ARC-54	GR 1602B
AN/USM-260	Test Set, RF Power	6625-00-917-3099	T14956	B16	740.00	PS	A		TM 11-6625-1549 Series	General Purpose	HP 432
AN/USM-264	Generator, Signal	6625-00-935-4214		B16	900.00	APA	R		TM 11-6625-1842 Series	AN/AAS-24	HP 652A
AN/USM-281A	Oscilloscope	6625-00-228-2201	N30572	B16	1,434.00	APA	A		TM 11-6625-1703 Series	General Purpose	HP 1551
AN/USM-281C	Oscilloscope	6625-00-106-9622	N30572	B16	2,283.00	APA	A	X	TM 11-6625-2658 Series	General Purpose	Tektronix 7603N-11S
AN/USM-281E	Oscilloscope	6625-00-134-1407	N30572	B16	1,434.00	APA	A			General Purpose	DuMont 1950A
AN/USM-298	Test Set, RF Power	6625-00-880-5119	V89876	B16	173.00	SF	B			AN/FSQ-75	Bird 43
AN/USM-303	Multimeter	6625-00-933-2406	M80259	B16	584.00	APA	B		TM 9-6625-1754 Series	General Purpose	Western 300M
AN/USM-303A	Multimeter	6625-00-168-0585	M80259	B16	477.00	APA	B		TM 9-6625-1754 Series	General Purpose	Western 300MA
AN/USM-365(V)1	Recorder, Thermal Oscillograph	6625-00-230-3835	R49403	B16	8,278.12	APA	B		TM 11-6625-2507 Series	AN/ASN-86	HP 7706B-14
AN/USM-410(V)1	Test Station	6625-01-070-3658	T49896	B16	1,200,000.00	APA	U		TM 11-6625-2773 Series		
AN/USM-410(V)2	Test Station	6625-01-069-4223	T99930	B16	1,010,000.00	APA	U		TM 11-6625-2773 Series	AH-64 Version	
AN/USM-410(V)3	Test Station	6625-01-077-5452	T99998	B16	600,000.00	APA	U		TM 11-6625-2773 Series		
AN/USM-423	Test Set, Telephone	6625-01-015-6563	V94637	B16	1,872.00	APA	A	X	TM 11-6625-602 Series	AN/TSQ-97	HP 3550B
AN/USM-432	Charger-Analyzer, Battery	6130-01-055-1574	A83127	B16	3,899.00	APA	A		TM 11-6130-413 Series	NICAD Batteries	
AN/USM-451	Multimeter	6625-01-060-6804	Z45258	B16	500.00	APA	R		TM 11-6625-2953 Series	AN/APS-94F, AN/PRC-90	Ballantine 9632M
AN/USM-459	Counter, Electronic	6625-01-061-8928	C19266	B16	6,418.00	APA	A	X	TM 11-6625-2941 Series		HP 5328A/E42
AN/USM-486	Multimeter, Digital	6625-01-145-2430	Z45310	B16	408.00	PS	R				
AN/USM-488	Oscilloscope	6625-01-187-7847	Z47513								
AN/USM-489(V)1	Analyzer, Spectrum	6625-01-079-9495	S01416	B16	25,000.00	APA	R				
AN/USM-490	Voltmeter, Freq Selective	6625-01-138-3351	F60502	B16	10,000.00	APA	R				
AN/VRM-1	Test Set, Radio	6625-00-892-5542	V88027	B16	1,358.00	APA	A	X	TM 11-6625-496 Series	AN/ARC-131	AVCO 837149
BC-376M/U	Generator, Signal	6625-00-724-9593	J54330	B16	3,550.00	PS	B		TM 11-6625-522 Series	General Purpose	
C-8099/ASN-76	Controller	6605-00-933-4280		B16	400.00	PS	R			AN/ASN-76	

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TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
CM-77A/USM	Comparator, Frequency	6625-00-080-7204	E61584	B16	$ 2,311.00	PS	B		TM 11-6625-493 Series	General Purpose	HP 540B
CN-16/U	Transformer, Variable	5950-00-688-5722	X09635	S9E	60.81	SF	R		TM 11-5950-205 Series	General Purpose	
CN-318/G	Attenuator, Variable	5895-00-623-0255	A98563	B16	339.00	SF	A			AN/ARC-115, 116 RT-1167	GR CR874-LBA
CN-673/U	Attenuator, Variable	6625-00-602-2089		B16	1,309.00	SF	R			AN/TPN-18	
CN-713/U	Attenuator, Variable	5985-00-889-0012	A99111	B16	93.66	SF	A			AN/APS-94C	NDL VAX-738
CN-796/U	Attenuator, Variable	5985-00-087-2547	A99659	S9E	202.37	SF	A		TM 11-5985-23 Series	General Purpose	Kay 30-0
CN-801/U	Attenuator, Fixed	5985-00-557-7860	A98015	B16	.42	SF	A			AN/APS-94C	PRD 1300
CN-802/U	Attenuator, Variable	5895-00-857-1289	A99796	B16	314.00	PS	A		TM 11-5985-238 Series	AN/APS-94C	PRD 180A
CN-970/U	Attenuator, Variable	5985-00-993-1377	Z06962	N35	356.00	SF	R			AN/APS-94C, AN/ARC-54, 114	HP 355C
CN-1128/U	Attenuator, Variable	5985-00-957-1860		S9E	170.99	SF	R			AN/ARC-54, 114	HP 355D
CN-1174/U	Attenuator	5985-00-491-4305		S9E	44.52	SF	R			AN/PRC-90	
CN-1201/U	Attenuator, Fixed	5985-00-626-4370		S9E	108.51	SF	R			AN/ALR-46	
CN-1238/U	Attenuator, Fixed	5905-00-054-5093	A98083	S9E	397.00	SF	R				Fed. Av. 3700110
CN-1239/U	Attenuator, Fixed	5985-00-888-8714	A98084	S9E	41.59	SF	R			AN/ARC-186	Measurements Corp 80ZH3
CN-1240/U	Attenuator, Variable	5905-00-057-8628	A99952	B16	3.13	SF	R				Federal Tel CA-403-A
CN-1285/U	Attenuator, Fixed	5985-00-454-6925		S9E	111.45	SF	R				AN/PRC-90
CP-772A/U	Counter, Electronic	6625-00-922-3586	F18614	B16	2,750.00	APA	B		TM 11-6625-1548 Series	AN/ASC-15	HP 5245L
CU-988/U	Coupler, Directional	5985-00-889-4217	F25555	S9E	157.98	SF	A			AN/APS-94C	GE 772907062
CX-11779/U	Cable Assembly	6150-00-410-9880		B16	371.00	SF	R				NICAD Batteries
CX-11934/U	Cable Assembly	6150-00-935-8722		B16	164.00	SF	R				NICAD Batteries
DA-75/U	Dummy Load, Electrical	6625-00-177-1639	G77126	B16	285.00	SF	A			General Purpose	Bird 82A
DA-340/URC	Dummy Load	5821-00-019-6315		S9E	129.04	SF	R			AN/ARC-102	
DA-638/U	Test Load, Adjustable	6625-00-422-2111		B16	3,028.00	SF	R			AN/TKQ-2B	
DT-307/G	Detector, R.F.	6625-00-876-3106	Z53787	B16	72.58	SF	B			AN/ARC-114, 115, 116	Telonic XD3A
FM-103	Timer, Stop	6645-00-583-0066	W21754	B14	39.35	SF	B			AN/ASN-64	Lackner AC-101-2
FM-145	Toolkit, Photographic Repair	5180-00-078-5307	W47800	B16	178.00	SF	B				ES-38
FR-126/U	Wavemeter	6625-00-787-0248	Y41049	B16	944.00	SF	A			AN/ASN-64	HP X532B
FR-146/U	Wavemeter	6625-00-973-4183	Y41186	B16	1,172.00	SF	A			AN/APX-44	FXR N410A
H-33/PT	Handset	5965-00-163-9947	K14403	S9E	40.18	SF	A		TM 11-5965-202 Series	TSEC/KY-28	
H-101A/U	Headset Microphone	5965-00-627-8382	K23609						TM 11-5965-215 Series	General Purpose	

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
H-104/G	Headset	5965-00-296-9910		S9E	$ 5.03	SF	R		TM 11-5965-210 Series	AN/ARN-103	
H-157/AIC	Headset-Microphone	5965-00-755-4656		S9E	65.50	SF	R			General Purpose	
H-189/GR	Handset	5965-00-069-8886	K14814	B16	29.00	SF	B		TM 11-5965-280 Series	TSEC/KY-28	
H-216/U	Headset	5965-00-892-3353	K22581	S9E	62.30	SF	A			General Purpose	
H-250/U	Handset	5965-00-043-3463	K14882	B16	28.12	SF	A			TSEC/KY-58	
HD-544A/ASM	Air Cooler	4140-00-868-1317	I70309	B16	103.00	PS	R			AN/ARN-52	
I-199	Test Set, Electrical	6625-00-229-1065	V74327	B16	437.00	PS	A		TM 11-2604	AN/ARC-45, AN/ARN-30	Chicago Ind. 1062
ID-851/U	Indicator Assy, Flutter	6760-00-776-6979	K72324	B16	301.00	APA	B		TM 11-6760-212 Series	AN/ASH-19	RCA 203352
ID-985/ASN	Indicator, Muster	6625-00-868-8338	V93781	B16	1,000.00	APA	A		TM 11-5841-238 Series	MA-1(D)	Bendix 13647-1A
ID-1142/APS-94	Panel, Monitor	5840-00-987-9175	I70091	B16	793.00	SF	R		TM 11-5840-275 Series	AN/APS-94C	Motorola 01-27868A01
ID-1450/ASN	Indicator, Precise Angle	6615-00-851-8754	K78863	B16	6,848.00	APA	A	X	TM 11-6615-250 Series	AN/ASN-76	GE A2026
IP-173/U	Indicator, Panoramic	6625-00-224-5500	K77941	B16	1,222.48	PS	A		TM 11-5086	AN/ARC-44	Metrics SB-8
IP-173A/U	Indicator, Panoramic	6625-00-699-8116	K77941	B16	999.00	SF	A		TM 11-5820-236 Series	AN/ARC-44	Singer 5B8A
IP-1216(P)/GR	Analyzer, Spectrum	6625-00-424-4370	A57322	B16	2,922.00	APA	A	X	TM 11-6625-2781 Series	AN/USQ-61A, AN/ARW-83	HP 141T
*KYK-13/TSEC	Electronic Tsf Dev	5810-01-026-9618	E98103	B56	160.00	APA	A			TSEC/KY-58	
KYK-15/TSEC	Net Control Device	5810-01-026-9619	N02758	B56	2,300.00	APA	A			TSEC/KY-58	
LA-360	Alignment Fixture	6760-00-999-6089	A34599	B16	2,455.00	SF	B			KS-104, KS-113, LS-59	
LA-387A	Timer, Digital	6645-00-877-8380	W21317	B16	2,760.00	APA	A		TM 11-6760-242 Series	KA-76A, KS-104, KS-113	HP 5233L G050056
LM-27	Test Set, Photo Cartridge Ejector	6760-00-302-4773	V62545	B16	316.00	APA	A	X	TM 11-6760-218 Series	LA-136, LS-38	Lambert IE-1620
LM-33-1	Flash Unit, Photo Repeater	6760-00-837-5328	H72892	B16	144.00	APA	A		TM 11-6760-213 Series	LS-38	
LM-63	Test Set, Camera	6760-00-709-6022	V70149	B16	2,342.47	APA	A		TM 11-6760-211 Series	KA-30( ), LA-136 LS-38	Victor SMD349431
LM-178A	Test Adapter, Camera	6760-00-878-0591	A14752	B16	2,000.00	APA	R			KS-113	Aero Ind 7111-100-1
LS-33A	Tester, Camera Shutter Speed	6760-00-064-5115	I70316	B16	4,055.00	APA	R		TM 11-6760-221 Series	KA-39( )	Bourns 2998-350-1
LS-34A	Test System, Photographic Surveillance	6780-00-064-5113	W01454	B16	7,058.00	APA	A	X	TM 11-6760-220, 221 Series	General Purpose	2996-100-1
LS-35A	Analyzer, Photo Surv. Sys.	6760-00-083-0363		B16	250.00	PS	R		TM 11-6760-220 Series	KA-76A	Bourns 2996-300-1

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
LS-36A	Simulator, Photo	6760-00-083-8322	Z73782	B16	547.00	SF	R		TM 11-6760-220 Series	KA-76A	
LS-39	Test Set, Photo Preflight	6760-00-992-9435	V82821	B16	$ 36,910.71	APA	A	X	TM 11-6780-216 Series	LS-38	Bourns 100000009
LS-40A	Test Set, Photo Surv. Sys.	6720-00-897-8434	V82956	B16	4,476.00	APA	A	X	TM 11-6720-217 Series	LS-38	Grumman 134SEAV1006-1
LS-44	Analyzer, Still Picture Camera	6760-00-064-5117	A58307	B16	3,041.00	APA	A	X	TM 11-6760-220 Series	KA-30( ), LA-136, LS-38	Bourns 5086-400
LS-45A	Test Set, Photo Surveillance	6760-00-064-5118	V82889	B16	12,358.00	APA	A	X	TM 11-6760-220 Series	LA-136, LS-38	Bourns 2998-100
LS-46A	Test Set, Photo Surv. Sys.	6760-00-064-5114		B16	5,454.00	APA	R		TM 11-6760-221 Series	KA-30( ), KA-39( )	Bourns 2998-200
LS-47A	Test Set, Photo Surv. Sys.	6760-00-981-5055	Z83812	B16	10,867.00	APA	D		TM 11-6760-221 Series	KA-76A, KS-104, KS-113	Bourns 2998-900
LS-48A	Toolkit, Camera Mount	6780-00-064-5112	A35490	B16	3,991.00	APA	A		TM 11-6760-220 Series	KA-76A, LA-136, LS-38	Bourns 5102-100
LS-49A	Toolkit	6780-00-064-5116	W34100	B16	2,233.92	APA	O		TM 11-6760-221 Series	KA-39( )	Bourns 6038-100
LS-50	Test Set, Converter	6780-00-973-2216	V71861	B16	6,898.00	APA	A	X	TM 11-6760-220 Series	KS-104, LS-38	Bourns 5086-200
LS-51A	Test Set, Scanner Alignment	6780-00-973-3885	V91589	B16	4,135.00	APA	A	X	TM 11-6760-220 Series	LS-38A	Bourns 5202-100
LS-69A	Test Set, Photo Flasher	6760-00-999-5662	V82845	B16	10,378.00	APA	B		TM 11-6760-232 Series	KS-104, KS-113, LS-59	
LS-70A	Test Set, Photo Flasher Sys.	6780-00-999-4373	V82855	B16	5,838.00	APA	B		TM 11-6780-220 Series	KS-104, KS-113, LS-59	Bourns 17148-1000
LS-71A	Test Set, Camera Sys.	6760-00-937-1918	V70183	B16	12,432.00	APA	B		TM 11-6720-230 Series	KA-60B	Fairchild 1134H2F53
LS-78A	Test Set, Control Panel	6760-00-878-0592	V70593	B16	10,608.00	APA	A	X	TM 11-6760-238 Series	KA-76A, KS-104, KS-113	Bourns 7110-100-1
LS-79A	Toolkit, Camera	5180-00-877-8714	W34134	B16	18,000.00	APA	A			KA-76A, KS-104(D)	Bourns 5102-3000
LS-80A	Test Set, Analyzer Camera	6760-00-878-0593	V63469	B16	11,222.00	APA	A	X	TM 11-6760-239 Series	KA-76A, KS-104, KS-113	Bourns 7109-100-1
LS-86A	Test Set, Camera	6760-00-922-2680	V70200	B16	10,150.00	APA	A	X	TM 11-6760-244 Series	KA-60C	Fairchild 1214H1
LS-89A	Analyzer Set, Photo Surv. Sys.	6760-00-462-3041	A56235	B16	8,334.00	APA	A	X	TM 11-6760-245 Series	KA-76A, KS-104, KS-113	Bourns 2996-300-2
M-52A/U	Microphone, Carbon	5965-00-646-4678	M40294	S9E	15.55	SF	A			AN/ARC-134	Seaview 177-0-1

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
MB-1	Tester, Pitot and Static System	4920-00-474-8311	W03735	B17	$ 6,998.00	APA	R			General Purpose	
MD-83A/ARN	Modulator	6625-00-539-8536	M64001	B16	2,885.00	PS	A		TM 11-6625-588 Series	AN/ARN-30, 82, 123	Collins 380
ME-26B/U	Multimeter	6625-00-646-9409	M80276	B16	175.00	SF	B		TM 11-6625-200 Series	General Purpose	HP 410B
ME-26D/U	Multimeter	6625-00-913-9781	M80276	B16	1,988.00	SF	B	X	TM 11-6625-200 Series	General Purpose	
ME-30( )/U	Voltmeter, Electronic	6625-00-643-1670	M80413	B16	258.00	PS	A		TM 11-6625-320 Series	General Purpose	HP 400D
ME-30F/U	Voltmeter, Electronic	6625-00-420-9354		B16	360.00	PS	B		TM 11-6625-2745 Series	General Purpose	
ME-57/U	Meter, Modulation	6625-00-647-3737	M38609	B16	1,029.00	APA	B		TM 11-6625-400 Series	General Purpose	
ME-57A/U	Meter, Modulation	6625-00-432-7312	M38609	B16	1,447.00	APA	B		TM 11-6625-400 Series	General Purpose	
ME-65A/U	Ammiter	6625-00-985-5251	A38401	B16	146.00	SF	A		TM 11-6625-585 Series	AN/TAQ-1	Weston 196645
ME-202/U	Voltmeter, Electronic	6625-00-709-0288	Y14937	B16	1,070.00	PS	A		TM 11-6625-537 Series	General Purpose	Fluke 803
ME-202B/U	Voltmeter, Electronic	6625-00-972-4046	Y14937	B16	1,070.00	PS	A		TM 11-6625-537/2724 Series	General Purpose	Fluke 803B
ME-221/U	Ammeter	6625-00-892-5863	A38538	B16	863.00	SF	A			AN/ASN-33	Weston 253983
ME-223/U	Voltmeter, Phase Angle	6625-00-810-3917	Y13219	B16	1,215.00	APA	A		TM 11-6625-525 Series	General Purpose	No. Atlantic 202BR
ME-227/U	Voltmeter, Electronic	6625-00-555-2312	Y13224	B16	271.00	SF	B		TM 11-6625-610 Series	AN/ASN-43, AN/ASW-12	Millivac MV-17C
ME-227A/U	Voltmeter, Electronic	6625-00-160-0622	Y13224	B16	271.00	SF	B		TM 11-6625-610 Series	AN/ASN-43, AN/ASW-12	Robertson 353
ME-231/FYQ-5	Voltmeter, Digital	6625-00-013-2630		B16	1,410.00	SF	R			AS-113A	HP 3440A
ME-254/U	Meter, Flutter & Wow	6625-00-987-8527	V93233	B16	487.00	APA	A	X	TM 11-6625-670 Series	AN/ASH-23, 24	Amplifier Corp 590-H-1
ME-303A/U	Multimeter	6625-00-969-4105	M80991	B16	924.00	APA	B		TM 11-6625-1614 Series	TSEC/KY-28	Hewlett Packard 410C
ME-356/U	Meter, Audio Level	6625-00-827-3958	M37581	B16	310.00	SF	R				Edison OP-1823
ME-441/U	Power Meter	6625-00-436-4883	P61827	B16	1,182.00	PS	A			AN/APN-215, AN/APS-94F	
ME-488/U	Ammeter	6625-00-816-9324	A38743	B16	1,723.00	SF	A		TM 11-6625-2788 Series		HP 428B
ME-496/U	Multimeter, Digital	6625-010-5090		B46	295.00	PS	R			AN/ARN-83(V)4	Data Precision 245
ME-497/U	Wattmeter	6625-01-064-3555	W38609	B16	233.00	PS	A		TM 11-6625-3018 Series		Bird 6104
ME-505/U	Meter, Modulation	6625-00-480-8706	M61675	B16	2,894.00	APA	A			AN/ARC-115(D)	
ME-512/U	Voltmeter, Vector	6625-00-929-1897	V13292	B16	5,512.56	APA	A			AN/ARN-83	HP 8405
*ME-518/U	Multimeter, Digital	6625-01-031-0708		B46	534.00	PS	R			AN/TSQ-97	TRAD 157-D-1
MK-288/URM	Maintenance Kit	6625-00-557-5716	L98359	B16	150.00	SF	A		TM 11-6625-478 Series	General Purpose	
MK-570/ASN	Maintenance Kit,	6625-00-857-1382	L99866	B16	3,427.86	APA	A	X	TM 11-6625-487 Series	AN/ASN-33	Rockwell 506A-0135-101

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
MK-652/APS-94	Test Facilities Kit	5995-00-820-2182	M00415	B16	$ 2,564.00	APA	A		TM 11-5995-201 Series	AN/APS-94C	Motorola 201-40537
MK-662/UP	Maintenance Kit	5841-00-064-5364	M00552	B16	992.00	APA	A		TM 11-5841-240 Series	RO-166(D)	Motorola 201-29095
MK-679/G	Maintenance Kit, Electronic Equip.	5410-00-973-2936	M02196	B16	73.13	SF	B		SB 11-562	AN/TSW-7A	
MK-681/G	Repair Kit, Shelter	5410-00-771-3354	R74887	B16	97.45	SF	B		SB 11-562	AN/TSW-7A	
MK-693/A	Maintenance Kit	5821-00-045-9695	M01100	B16	1,876.00	APA	A		SC 5821-91-CL-E04	General Purpose	
MK-719/AKT-16	Alignment Kit, Objective Lens	5841-00-952-3244	A34805	B16	1,200.00	APA	A		TM 11-6625-616 Series	AN/AKT-18(D)	Motorola 01-27866A01
MK-722/URC	Maintenance Kit, Elec Equip	6625-00-082-4275	M01374	B16	12,121.04	APA	A	X	TM 11-6625-623 Series	AN/ARC-102, CU-991	Collins 522-3401-005
MK-731/ARC-51X	Maintenance Kit, Elec Equip	6625-00-082-4057	M01511	B16	9,592.00	APA	A	X	TM 11-6625-564 Series	AN/ARC-51	Collins 522-3525-00
MK-731A/ARC-51X	Maintenance Kit	6625-00-803-1300	M01511	B16	4,048.00	APA	A	X	TM 11-6625-564 Series	AN/ARC-51	Collins 777-1051-001
MK-733/ARC-54	Maintenance Kit, Elec Equip	5821-00-901-4327	M01648	B16	4,525.00	APA	A		TM 11-6625-601 Series	AN/ARC-54	Collins 522-6247-005
MK-722/U	Repair Kit, Printed Ckt	5999-00-757-7042	R74787	B16	123.00	SF	A			General Purpose	Frank & Warren 84583-5194
MK-774/APN-158	Maintenance Kit	6625-00-868-8232	M01922	B16	8,051.00	APA	A		TM 11-5841-259 Series	AN/APN-158	Collins 979A-2
MK-856/AKT-18	Test Facility Kit	5841-00-788-5228	V61396	B16	2,814.00	APA	B		TM 11-5841-255 Series	AN/AKT-18	Motorola 201-44407
MK-856A/AKT-18A	Test Facility Kit								TM 11-5841-255 Series		AN/AKT-18A
MK-864/APN-168	Test Facilities Kit	6625-00-946-5390	V61411	B16	9,457.00	APA	B		TM 11-5841-265 Series	AN/ASN-64	Marconi CMA-565T
MK-865/AYA-3	Test Facilities Kit	6625-00-945-7983	V61412	B16	9,953.00	APA	B		TM 11-5841-266 Series	AN/ASN-64	Marconi CMA-566T
MK-866/ASN-64	Maintenance Kit, Elec Equip	6625-00-999-9405	M01939	B16	3,660.00	APA	B		TM 11-5841-264 Series	AN/ASN-64	Marconi CMA-567T
MK-913/G	Analyzer Kit, Imagery	5895-00-943-6859		B16	772.50	PS	R			AN/AAS-14	
MK-953/UAS-4A	Maint Kit, Elec Equip	5850-00-949-2133	M01956	B16	1,676.00	APA	A			AN/AAS 14, AN/TAQ-1	Singer 87817
MK-989/UAS-4A	Maint Kit, Elect Equip	5850-00-949-9497	M01982	B16	9,565.00	APA	A		TM 11-6625-641 Series	AN/AAS-14	Singer 80975
*MK-994/AR	Test Facility Kit	6625-00-802-7191	V61444	B16	10,627.00	APA	A		TM 11-6625-928 Series	General Purpose	
MK-1004/ARC	Maintenance Kit, Elec Equip	5821-00-926-7292	M02013	B16	1,233.00	APA	B		TM 11-5625-1635 Series	AN/ARC-134	Wilcox 287517-0100
MK-1004A/ARC	Maintenance Kit, Elec Equip	5821-00-100-4300	M02013	B16	1,795.00	APA	A		TM 11-6625-2609 Series	AN/ARC-134	Wilcox 287517-0200
MK-1016/AAS-14A	Service Kit, Refrigerant	4940-00-937-3448	S78945	B16	1,136.00	PS	A		TM 11-6625-1604 Series	AN/AAS-14	

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
MK-1035/ARC-131	Maintenance Kit, Elec Equip	5821-00-935-0058	M02036	B16	$ 3,620.00	APA	A	X	TM 11-6625-1610 Series	AN/ARC-131	Magnavox 709300-801
MK-1040A/ASN	Adapter Kit, Mag Comp Calib Set	6605-00-816-0329	A11502	B16	6,742.00	APA	B		TM 11-4920-292 Series	AN/ASN-43	
MK-1148/TAQ-2	Test Facility Kit	6625-00-113-9764	V61445	B16	2,112.00	APA	A		TM 11-5840-294 Series	AN/TKQ-2	Motorola 01-29399L01
MK-1171/AAS-24	Service Kit, Refrigerant	4940-00-403-1007	S78970	B16	6,923.00	APA	A		TM 11-6625-2446 Series	AN/AAS-24	TI 692479-1
MK-1172/AAS-24	Maintenance Kit	1340-00-434-5539	M02401	B16	22,999.00	APA	A		TM 11-6625-1732 Series	AN/AAS-24	TI 692491-1
MK-1191/AR	Test Facilities Kit	6625-00-179-2528	V61446	B16	17,985.00	APA	A		TM 11-6625-2414 Series	AN/ARC-114, 115, 116, AN/ARN-89	
*MK-1192/AR	Maintenance Kit	6625-00-179-1699	L95939	B16	6,333.00	APA	A		TM 11-6625-2405 Series	AN/ARC-114, 115, 116	
*MK-1899/G	Maintenance Kit	5895-01-071-6266		B16	1,000.00	PS	R			AN/ARW-83	ESL 1-139749-1
MK-2061/APN-215	Maintenance Kit	5841-01-108-4158	Z41329	B16	4,500.00	APA	R		TM 11-6625-3033 Series	AN/APN-215	
MP-2/U	Eraser, Magnetic Tape	5835-00-543-1910	H13752	B16	88.40	SF	A			AN/ASH-24	
MT-4145/ASN-86	Test Stand, Gyro Stab. Platform	6605-00-522-3740	V99935	B16	4,604.00	APA	A		TM 11-6625-2443 Series	AN/ASN-86	Litton 244030
MX-13A/U	Vacuum Cleaner	7910-00-910-2606		G 0	36.05	SF	R			LA-30( ), 39( ), LS-38	
MX-991/U	Flash Light	6230-00-264-8261		S9G	2.74	SF	R			KS-104, LS-38	
*MX-1292/PAQ	Light Assembly	6695-00-378-5449	L60295	B16	136.00	APA	A		TM 11-5540	AN/ARN-12	
MX-2517/U	Test Prod	6625-00-511-5383	P67179	B16	164.00	SF	A			General Purpose	HP 11044A
MX-2569/U	Detector Mount	6625-00-752-5311	M74207	B16	226.00	PS	A			AN/APS-94C	HP 440A
MX-3341/O	Adapter Connector	5985-00-713-4356	Z00303	S9E	84.24	SF	R			AN/ARC-102	HP 11042A
MX-3667/U	Waveguide Probe	6625-00-656-2454	P63898	B16	159.00	SF	A			AN/APS-94C	HP 487P
MX-3671/U	Fixture	6625-00-583-1526		S9E	73.32	SF	R			AN/APS-94C	HP 420A
MX-3719/ASW-12	Fixture	6625-00-987-8530	H63912	B16	203.00	APA	A		TM 11-6625-516 Series	AN/ASW-12	Sperry 2586451
MX-3722/ASW-12	Machine, Vib. Gryo	4920-00-973-4184	H63090	B16	460.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592039
MX-3723/ASW-12	Fixture, Test, Gyro	6625-00-987-8532	H63775	B16	75.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592055
MX-4042/ASW-12	Table, Tilt, Gryo	4940-00-889-1880	V02931	B16	876.00	APA	A		TM 11-4920-209 Series	AN/ASN-43/76, AN/ASW-12	Sperry 2585909

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
MX-4042A/ASW-12	Table, Tilt, Gyro	4920-00-937-2554	V02931	B16	$ 690.00	APA	A	X	TM 11-4920-209 Series	AN/ASN-43/76, AN/ASW-12	Sperry 2585909
MX-4043/ASW-12	Fixture, Test, Accelerometer	6625-00-987-8595	H63638	B16	75.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592044
MX-4618/U	Decode Capacitor	6625-00-953-7537	D04729	B16	1,272.00	SF	R			J-2	GR 1419M
MX-4708/ASW-12	Table, Tilt, Gryo Testing	4920-00-889-1881		B16	1,085.00	APA	R			AN/ASW-12	Sperry 2586334
MX-7268/AAS-14A	Cable Assy Set	5995-00-930-0002	C61252	B16	3,386.00	APA	A		TM 11-5850-218 Series	AN/AAS-14	
MX-7270/UAS-4	Cable Assy Set	6625-00-949-8185	C61256	B16	520.00	PS	A		TM 11-5850-218 Series	AN/ART-41A	
*MX-7729/ARC-111	Test Set, Bench	6625-00-912-3671		B16	299.00	SF	R			AN/ARC-111	Collins 476V-3
MX-8408/AAS-24	Cable Assy Set	6625-00-489-0468	C61218	B16	6,923.00	APA	A		TM 11-6625-1732 Series	AN/AAS-24	
MX-8409/AAS-24	Fixture, Alignment	6625-00-489-2673	A34457	B16	12,538.00	APA	A		TM 11-6625-1732 Series	AN/AAS-24	TI 694739-1
*MX-8474/ASN-86	Purge & Fill Unit, Gryo Stab. Pltfm.	6605-00-522-3739	P98420	B16	3,201.50	APA	A		TM 11-6625-2444 Series	AN/ASN-86	Litton 310086
MX-8801/PRC-90	Test Adapter	6625-00-480-6315	V59584	B16	50.00	APA	B			AN/PRC-90	
MX-8927A/U	Discharge Fixture	6110-00-014-6225		S9G	841.57	SF	R			BB-433	
MX-9848/ APR-39(V)	Test Adapter, Radar Signal	5841-01-025-0379	T59834	B16	822.00	APA	A		TM 11-6940-211 Series	AN/APR-39(V)1	
OA-8991/MSM	Repair Facility	6625-01-070-4404	R09696	B16	90,000.00	APA	R		TM 11-5410-217 Series		
OP-126/G	Power Supply Group	5895-01-061-2646		B16	14,000.00	PS	R		TM 11-6625-2894 Series	AN/ARW-83	ESL 10-131029-1
OQ-59/APS-94D	Test Set Group, Radar	6625-00-194-2842	V78854	B16	21,000.00	APA	A		TM 11-5995-207 Series	AN/APS-94D/E	
OQ-59A/APS-94D	Test Set Group, Radar	6625-01-095-6207		B16	21,000.00	APA	R		TM 11-5995-207 Series	AN/APS-94F	
OQ-61/APS-94D	Test Set Group, Radar	6625-00-938-0233	V78785	B16	100,000.00	APA	A	X	TM 11-6625-1832 Series	AN/APS-94D/E	Motorola 01P0212B001
OQ-61A/APS-94D	Test Set Group, Proc.	6625-01-070-4407		B16	130,000.00	PS	R			AN/APS-94F	
OQ-62/APS-94D	Test Set Group, Optical Alignment	6625-00-762-4889	V78779	B16	25,000.00	APA	A		TM 11-6625-1838 Series	AN/APS-94D	Motorola 01P02016B001
OQ-63/APS-94D	Test Set Group, Indicator	6625-00-193-8428	V78610	B16	65,000.00	APA	A	X	TM 11-6625-1833 Series	AN/APS-94D/E	Motorola 01P02013B001
OQ-63A/APS-94D	Test Set Group Indicator	6625-01-058-7874		B16	90,000.00	APA	R		TM 11-6625-1833 Series	AN/APS-94F, AN/TKQ-2B	
OQ-64(V)1/ APS-94D	Test Set Group, Radar	6625-00-191-7421	V78858	B16	35,000.00	APA	A	X	TM 11-6625-1830 Series	AN/APS-94D/E	Motorola 01P02010B001
OQ-64(V)2/ APS-94D	Test Set Group, Radar	6625-00-194-2849	V78860	B16	55,000.00	APA	A		TM 11-6625-1830 Series	AN/APS-94D/E	Motorola 01P02011B001

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TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
OQ-65/APS-94D	Test Set Group, Recorder-Processor	6625-00-938-0278	V78895	B16	$ 30,000.00	APA	A	X	TM 11-6625-1835 Series	AN/APS-94D	Motorola 01P02014B001
OQ-270/APS-94F	Test Set Group	6625-01-069-7058	T78916	B16	140,000.00	APA	R		TM 11-6625-2974 Series	AN/APS-94F	
OQ-273/ ARC-164(V)	Test Set Group, Radio	5821-01-072-8146	Z83460	B16	20,000.00	PS	U		TM 11-6625-2950 Series	AN/ARC-164(V)12	
OQ-290(V)1/MSM	Test Facility	6625-01-095-9312	Z25238	B16	1,400,000.00	APA	R		TM 11-5410-216 Series		
OS-8/U	Oscilloscope	6625-00-643-1740	N31327	B16	235.00	SF	A		TM 11-6625-252 Series	AN/APN-22, J-2	Hickok CS-835
OS-261B(V)1/U	Oscilloscope	6625-01-101-1318		B16	2,805.00	APA	B		TM 11-6625-2735 Series		TEK 455/OPT 04
*OS-261C(V)1/U	Oscilloscope	6625-01-119-7314	Z47514	B16	3,000.00	APA	R				
PD-76/ASN-23	Synchro Transformer	5990-00-504-6032	U83940	S9E	143.71	SF	A			MA-1	Bendix AY201S-1B
PL-1178/U	Plug-In Unit	6625-00-104-2648		B16	323.00	SF	R			AN/APS-94E	HP 3304A
PL-1285/U	Plug-In Unit	6625-00-479-4699	P11125	B46	1,079.00	PS	A		TM 11-6625-2492 Series		HP 3305A
*PL-1306/U	Plug-In Unit	6625-00-905-1296	P11179	B16	842.00	PS	A	X	TM 11-6625-3030 Series	AN/ASN-86	HP 8803A
PL-1373/U	Plug-In Unit	6625-01-007-9481		B16	1,498.00	SF	R			AN/ARW-83	TEK 552
*PL-1378/U	Plug-In Unit	6625-00-893-8745		B46	2,079.00	PS	R			AN/ASN-86	HP 1803A
PL-1388/U	Plug-In Unit	6625-00-431-9339	P11208	B16	3,735.00	APA	A	X	TM 11-6625-2829 Series	AN/ARW-83	HP 8552B
PL-1392/U	Spectrum Analyzer	6625-00-558-2324	P16915	B16	5,132.00	SF	A	X	TM 11-6625-2762 Series		TEK 7L12
PL-1399/U	Plug-In Unit	6625-00-432-5055	P11146	B16	4,265.00	APA	A	X		AN/ARW-83(V)4	HP 8553B
PL-1400/U	Plug-In Unit	6625-00-422-4314	P11147	B16	9,347.00	APA	A	X	TM 11-6625-2781	AN/USQ-61A	HP 8555A
PL-1406/U	Plug-In Unit	6625-00-140-0156	P11720	B16	4,300.00	APA	A			AN/ARW-83(V)4	HP 8554B
PP-962/U	Power Supply	6625-00-756-1500	L28684	B16	1,670.00	APA	A		TM 11-6625-455 Series	AN/APS-94C	PRD 801A
PP-1104C/G	Power Supply	6130-00-542-6385	P37218	B16	561.00	SF	A		TM 11-6130-218-246 Ser	General Purpose	Pwr Supply Inc 12A28CD50D
PP-1243/U	Power Supply	6625-00-542-6217	P37492	B16	30.50	APA	B		TM 11-6625-348 Series	AN/ARN-30	
PP-1451/G	Power Supply	6130-00-985-8157	D98888	B16	784.00	APA	A		TM 11-6130-236 Series	NICAD Batteries	
PP-1659/G	Battery Charger	6130-00-985-8185	D99025	B16	1,600.00	APA	A		TM 11-6130-238 Series	NICAD Batteries	Victory Electronic 198-100
PP-2309C/U	Power Supply	6130-00-752-2215	P38314	B16	812.00	APA	A		TM 11-6130-245 Series	OK-279	
PP-2953/U	Power Supply	6130-00-985-7899	P38588	B16	2,400.00	APA	A		TM 11-6130-233 Series	TSEC/KY-28	
PP-3514/U	Power Supply	6130-00-445-6933	P39958	B16	862.00	PS	A		TM 11-6625-617 Series	AN/ADR-6	
PP-3940A/G	Power Supply	6130-00-953-7500	P40374	B16	530.00	APA	A		TM 11-6130-247 Series	General Purpose	
PP-3941/G	Power Supply	6130-00-985-8143	P40506	B16	379.00	APA	B		TM 11-6130-242 Series	AN/APS-94D, KS-104, KS-113	

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TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
PP-4606/G	Power Supply	6130-00-504-0327	P33724	B16	$ 1,988.00	PS	R		TM 11-6130-243 Series	General Purpose	
PP-4838/U	Power Supply	6625-00-931-6793		B16	656.00	SF	R		TM 11-6130-268 Series	KIT-1A/TSEC, TSEC/KY-28	
*PP-6224/U	Power Supply	6130-00-133-5879	P40750	B16	1,656.00	APA	A		TM 11-6130-266 Series	AN/ADR-6	
RO-189/G	Oscillograph		N28224						TM 11-6625-801 Series	KA-76A	Brush RD2642-00
R-1122/GR	Radio Receiver	5820-00-858-5925		B16	665.00	PS	R		TM 11-5820-526 Series	AN/ARC-102	
SG-1A/ARN	Generator, Signal	6625-00-649-4636	J54440	B16	1,150.00	SF	N			AN/ARN-123	
SG-13/ARN	Generator, Signal	6625-00-539-8575	J54741	B16	946.00	APA	A		TM 11-6625-279 Series	General Purpose	
SG-71/FCC	Generator, Signal	6625-00-669-0255	J55289	B16	337.75	APA	A		TM 11-6625-358 Series	AN/ASH-23	HP 233A
SG-92/U	Generator, Sweep	6625-00-546-6662	J58303	B16	508.00	APA	A		TM 11-6625-605 Series	AN/TAQ-1	Kay 110-A
SG-299/U	Generator, Signal	6625-00-624-3516	J55837	B16	429.00	SF	A	X	TM 11-6625-258 Series	AN/APS-94C	Hickok 902-296
SG-299B/U	Generator, Signal	6625-00-808-5584	J55837	B16	429.00	SF	A	X	TM 11-6625-258 Series	AN/TKQ-2	Hickok 902-333
SG-321/U	Generator, Signal	6625-00-674-7097	J55944	B16	478.00	APA	A		TM 11-6625-822 Series	General Purpose	Tensor 5533
SG-321B/U	Generator, Signal	6625-00-935-6924	J55944	B16	346.70	APA	A		TM 11-6625-822 Series	General Purpose	
SG-340A/G	Generator, Signal	6625-00-542-1292	J55992	B16	1,010.00	SF	A		TM 11-6625-1575 Series	AN/ALR-46	HP 612A
SG-366/U	Generator, Pulse	6625-00-682-9496	J34465	B16	2,476.00	SF	A		TM 11-6625-435 Series	AN/APS-94C, AN/TPN-18	Kay 570A
SG-366A/U	Generator, Pulse	6625-00-168-0471	J34465	S9E	2,476.00	SF	A		TM 11-6625-435 Series	AN/APS-94C, AN/TPN-18	Kay 507UB
SG-475/APS-94	Oscillator, Pulse Delay	5840-00-788-6808	N26080	B16	1,075.00	APA	A		TM 11-6625-615 Series	AN/APS-94C (D)	Orbitron 100720
SG-621/U	Generator, Signal	6625-00-606-9729		B16	606.00	SF	R		TM 11-6625-589 Series	AN/ASN-86, C-12	HP 202C
SG-677A	Generator, Sweep	6625-01-074-4337	J58948	B16	2,129.00	APA	R		TM 11-6625-2955 Series		
SG-747/U	Generator, Signal	6625-00-118-6736	J56362	B16	2,090.00	APA	A		TM 11-6625-2495 Series	AN/APS-94E	HP 3300A
SG-769/U	Generator, Signal	6625-00-057-7684		B16	555.00	PS	R		TM 9-6625-2468 Series	AN/AAS-24	Wavetek 111
SG-944/U	Generator, Signal	6625-00-107-8173	J56371	B16	4,386.00	APA	A	X	TM 11-6625-2520 Series	AN/ALR-46, AN/APR-39	HP 620B
SG-1094/U	Plug-In Unit	6625-00-420-3862		B16	1,364.00	SF	R		TM 11-6625-2738 Series	AN/ARW-83	TEK S6
SG-1105/U	Generator, Pulse	6625-01-010-3524	Z50542	B16	1,805.00	SF	R		TM 11-6625-2835 Series	AN/APR-39(V)1	HP 8013B
SG-1112(V)1/U	Signal Generator	6625-00-566-3067	S48051	B16	9,206.50	APA	A		TM 11-6625-2780 Series	AN/ARC-164(V)12, AN/ARW-83	HP 8640B-004
SG-1125/U	Generator, Tracking	6625-00-185-4802	G14409	B16	4,069.00	SF	A		TM 11-6625-2866 Series	AN/ARW-83(V)4	HP 8444A
SG-1144( )/U	Generator, Signal	6625-01-075-8478	G56451	B16	2,888.00	APA	A		TM 11-6625-2954 Series		
SG-1170/U	Generator, Signal	6625-01-120-3501	Z73659	B16	3,350.00	APA	R		TM 11-6625-3029 Series		Wavetek Mod 3001
SG-1171/U	Generator, Function	6625-01-133-6160	Z73543	S9E	1,233/77	SF	R				
SG-1174/U	Generator, Signal	6625-01-075-8479		B16	1,769.00	PS	R		TM 11-6625-2952 Series		

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TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
SG-1205/U	Generator, Pulse	6625-01-135-7210	773593	S9E	$ 1,200.00	SF	R				
* SM-253/ASM-57	Simulator, Gyro Signal	6625-00-860-9290	T56813	B16	450.00	APA	A	X	TM 11-6625-480 Series	AN/ASN-33	Collins 477K1
SM-254/ASM-57	Simulator, Nav Ctrl	6930-00-863-3399	T56128	B16	361.62	APA	A	X	TM 11-6625-481 Series	AN/ASN-33	Collins 477L1
SM-335/ASM	Simulator, Amplifier Output	4920-00-133-7835	T54141	B16	2,081.00	APA	B		TM 11-6625-644 Series	CH-47 SAS	
SM-454/TAQ-1A	Simulator, RF Signal	6625-00-930-7004		B16	721.00	PS	R		TM 11-6625-637 Series	AN/TAQ-1	
SM-486/ASN	Simulator, Gyro & Compass Signal	4920-00-851-8753	T56103	B16	3,783.00	APA	A	X	TM 11-6615-251 Series	AN/ASN-64, 76	GE A2138
SM-568/APM-327	Simulator, Radar Low	6625-00-115-6460	Z73742	B16	30,088.00	APA	R		TM 11-6625-2633 Series	AN/ALR-46	Appl Tech 31-020317-01
SM-674/UPM	Test Set, Flt Line Simulator	6940-01-031-5887	S87034	B16	1,925.00	APA	A		TM 11-6940-211 Series	AN/APR-39(V)1	
SM-683/APM-327	Simulator, Radar Med	4920-00-188-3161	Z73745	B16	22,206.00	SF	R			AN/ALR-46	Appl Tech 31-035082-01
SM-684/APM-327	Simulator, Radar, High	4920-00-158-2340	Z73746	B16	22,961.00	PS	R			AN/ALR-46	Appl Tech 31-035083-01
SM-756/APR-44	Simulator, Radar Signal	6940-01-058-1066	S58022	B16	1,058.00	APA	U		TM 11-6940-214 Series	AN/APR-44	
SM-763/ARM-185	Simulator, Antenna Signal	5895-01-063-6594		B16	3,968.00	PS	R		TM 11-6625-2891 Series	AN/ARW-83	ESL 10-131021-1
TD-1160(P)/U	Plug-In Unit	6625-00-004-1644	P11212	B16	2,943.27	P	A		TM 11-6625-2734 Series	AN/ARW-83	TEK 7S12
* TD-1225A(V)1/U	Counter, Microwave Freq.	6625-01-103-2958	M65673	B16	3,675.00	APA	A	X	TM 11-6625-3014 Series		HP 5342A-H14
TF-171/USM	Transformer	6120-00-503-0632	X09703	S9G	135.00	SF	A		TM 11-5950-203 Series	AN/GRN-6, AN/TAQ-1	GR 20M
TG-168/ASN-76	Fixture, Platform Positioning	4920-00-851-8751	H63507	B16	1,342.00	APA	A			AN/ASN-76	GE A2013
TK-77/GF	Tool Kit, Photographic Repair	5180-00-752-9068	W47663	G 0	226.00	SF	A			General Purpose	Century Tool TK-77/GF
TK-90/G	Tool Kit, Battery Service	5180-00-542-5812	W33278	B16	91.39	SF	A		SC 5180-91-CL-R03	NICAD Batteries	
TK-100/G	Tool Kit, Electronic Equip	5180-00-605-0079	W37251	B16	770.00	SF	A		SC 5180-91-CL-S21	General Purpose	
TK-101/G	Tool Kit, Electronic Equip	5180-00-064-5178	W37483	B16	229.00	SF	A		SC 5180-91-CL-R13	General Purpose	
TK-105/G	Tool Kit, Electronic Equip	5180-00-610-8177	W37388	B16	190.00	SF	A		SC 5180-91-CL-R07	General Purpose	

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TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
TK-109/GF	Tool Kit, Photographic Repair	5180-00-856-9653	W47526	B16	$ 489.00	SF	A		SC 5180-91-CL-R18	General Purpose	
TK-144/G	Tool Kit, Elec Equip Shelter	5180-00-973-4369	W37765	B16	1,444.00	SF	A		SC 5180-91-CL-R50	AN/ASM-146, 147	
TK-191/UAS-4A	Tool Kit, Elec Equip	5180-00-930-1216	W37891	B16	6,058.00	SF	A			AN/AAS-14, AN/ART-41A AN/TAQ-1	
TL-559/U	Gauge	6635-00-292-6774		S9E	46.44	SF	R			AN/ARC-44	
TL-633/U	Linkage Tool	5120-00-521-0569	M21464	G 0	532.00	SF	A			AN/ARN-59	
TL-675/ASN	Synchro Tool	5120-00-767-9114	W05952	G 0	5.00	SF	R			AN/ASN-33, MA-1	
TS-27B/TSM	Test Set, Telephone	6625-00-188-3232	V94877	B16	522.00	SF	A		TM 11-6625-240 Series	AN/FSW-8	Mutron ETS-27B
TS-147BD/UP	Test Set, Radar	6625-00-256-1377	V85150	B16	913.00	SF	A		TM 11-1247	General Purpose	Sperry 674766
TS-147F/UP	Test Set, Radar	6625-00-967-9913	V85150	B16	913.00	SF	A	X	TM 11-1247	General Purpose	Decicom 193
TS-186E/UP	Meter, Frequency	6625-00-556-1916	J01826	B16	602.00	SF	B		TM 11-6625-307 Series	AN/TPN-18	Ackeley 317-0
TS-268E/U	Test Set, Crystal Rectifier	6625-00-069-1363	V72751	B16	453.00	SF	A		TM 11-6625-305 Series	General Purpose	Voron TS-268
TS-352B/U	Multimeter	6625-00-553-0142	M81372	B16	252.00	SF	B		TM 11-6625-366 Series	General Purpose	
TS-402/U	Attenuator	6625-00-230-5149	V93575	B16	88.89	SF	B		TM 11-5905-200 Series	AN/FSW-8	
TS-421A/U	Generator, Signal	6625-00-669-0228	J57344	B16	560.00	APA	A		TM 11-6625-355 Series	AN/ARC-115, 116	HP H02-205AG
TS-421C/U	Generator, Signal	6625-00-435-2588	J57344	B16	560.00	APA	A	X	TM 11-6625-355 Series	AN/ARC-115, 116	Data Royal F370A
TS-452D/U	Generator, Signal	6625-00-828-6410	J57481	B16	409.00	APA	A		TM 11-6625-575 Series	AN/APS-94C, AN/APX-44	
TS-452E/U	Generator, Signal	6625-00-115-6941	J57481	B16	627.00	APA	A	X	TM 11-6625-575 Series	AN/APS-94C, AN/APX-44	
TS-488A/UP	Test Set, Radar	6625-00-519-7594	V85424	B16	826.00	SF	A	X	TM 11-6625-220 Series	AN/APN-158, AN/TPN-18	Aeromotive 7200
TS-585( )/U	Meter, Output	6625-00-244-0501	M81783	B16	424.00	PS	A		TM 11-6625-291 Series	General Purpose	Doven 11000-2
TS-617/U	Q-Meter	6625-00-538-9702	Q02968	B16	625.00	SF	S		TM 11-2635	AN/ARN-83, CU-1658	HP 160A
* TS-617C/U	Q-Meter	6625-00-966-2055	Q02968	B16	3,394.00	SF	B		TM 11-2635	AN/ARN-83, CU-1658	HP 736-A
TS-723D/U	Analyzer, Spectrum	6625-00-668-9418	A58033	B16	446.00	APA	A		TM 11-6625-255 Series	General Purpose	GR 631-B
TS-805/U	Stroboscope	6625-00-223-5150	U54346	B16	201.00	SF	A		TM 11-6625-396 Series	General Purpose	Elec Brazing 510-L
TS-805D/U	Stroboscope	6625-00-196-2858	U54346	B16	201.00	SF	R		TM 11-6625-396 Series	General Purpose	Crown S-1-M
TS-965/U	Test Set, Armature	6625-00-828-5810	V63915	B16	63.19	APA	A	X	TB 11-6625-434-12/1	General Purpose	
TS-1314/APX-44	Test Set, Radar	4920-00-226-5567	Z83864	B16	1,000.00	APA	R		TM 11-6625-448 Series	AN/APX-44	Wilcox 33030-62
TS-1588/AIC	Test Set, Radio	6625-00-895-6646	V67203	B16	423.00	APA	A		TM 11-6625-441 Series	C-1611	Grumman 134SEAV1002-1
TS-1588A/AIC	Test Set, Radio	6625-00-239-6016	V67203	B16	1,258.00	APA	A		TM 11-6625-441 Series	C-1611	Aero Equip 7200
TS-1643/ASW-12	Test Set, Attitude Control	6625-00-987-8596	V63230	B16	95.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592043
TS-1644/ASW-12	Test Set, Displacement Gyro	6625-00-987-8597	V73916	B16	135.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592052

* See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
TS-1652/ASW-12	Test Set, Coupler	6625-00-987-8599	V71998	B16	$ 125.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592042
TS-1656/ASW-12	Tester, Attitude Control	6625-00-973-4186	V66381	B16	150.00	APA	A	X	TM 11-6625-519 Series	AN/ASW-12	Sperry 2592045
TS-1658/ASW-12	Test Set, Auto Controller	6625-00-987-8601	V68847	B16	300.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592049
TS-1659/ASW-12	Test Set, Attitude Ref Control	6625-00-987-8602	V66655	B16	200.00	APA	A		TM 11-6625-519 Series	AN/ASW-12	Sperry 2592046
TS-1660/ASW-12	Test Set, Gyro Control	6625-00-987-8634	V79533	B16	200.00	APA	A	X	TM 11-6625-519 Series	AN/ASW-12	Sperry 2592054
TS-1661/ASW-12	Test Set, Coupler	6625-00-987-8635	V72135	B16	185.00	APA	A	X	TM 11-6625-519 Series	AN/ASW-12	Sperry 2592041
TS-1663/ASW-12	Test Set, Rotary Actuator	6625-00-973-4185	V91315	B16	150.00	APA	A		TM 11-6625-516 Series	AN/ASW-12	Sperry 2592040
TS-1836B/U	Test Set, Semiconductor	6625-00-168-0954	V91863	B16	498.00	APA	B		TM 11-6625-539 Series	General Purpose	Elec Tech Corp 245MF
TS-1836D/U	Test Set, Semiconductor	6625-00-138-7320	V91863	B16	368.00	APA	A	X	TM 11-6625-539 Series	General Purpose	Hickock 902-501
TS-1893/ASM	Test Set, Stabilization Sys	4920-00-133-7836	V93302	B16	2,590.00	APA	B		TM 11-6625-645 Series	CH-47 SAS	Boeing 114E5986-1
TS-1894A/ASM	Test Set, Stabilization Equip	4920-00-133-7834	V93301	B16	15,205.00	APA	B		TM 11-6625-646 Series	CH-47 SAS	Boeing 114E5987-8
TS-2326/APN-168	Test Set, Antenna	6625-00-927-3514	V63572	B16	300.00	APA	B		TM 11-6625-684 Series	AN/ASN-64	Marconi 409-035
TS-2327/APN-168	Test Set, Receiver-Transmitter	6625-00-927-3508	V90390	B16	300.00	APA	B		TM 11-6625-685 Series	AN/ASN-64	Marconi 409-040
TS-2330/ASN-64	Test Set, Analog Modules	6625-00-927-3513	V63435	B16	4,459.00	APA	B		TM 11-6625-688 Series	AN/ASN-64	Marconi 409-055
TS-2436/U	Test Set, Amplifier	6625-00-892-5286	V63330	B16	2,311.00	APA	A	X		AN/TPN-18	HP 342A
TS-2530/UR	Test Set, Battery	6625-00-933-6112	V69816	B16	122.84	APA	B		TM 11-6625-2631 Series	AN/PRC-90	ACR ABC-BT-2
TS-2530A/UR	Test Set, Battery	6625-00-238-0223	V69816	FPZ	240.00	APA	A		TM 11-6625-2631 Series	AN/PRC-90	
TS-2609/U	Test Set, RF Power	6625-00-933-8786		B16	353.00	PS	R		TM 11-5625-1686 Series	AN/ARC-131	Bird 4110-000
TS-2644/ASN	Test Set	6625-00-879-1965	V61790	B16	1,453.00	APA	A		TM 11-6625-2634 Series	AN/ASN-43	Sperry 2590181-901
TS-2645/ASN	Test Set	6625-00-879-1960	V61791	B16	1,414.00	APA	A		TM 11-6625-2634 Series	AN/ASN-43	Sperry 2590553-901
TS-2688/URC-68	Test Set, Radio	6625-00-782-0389	V89225	B16	183.00	APA	S		TM 11-6625-1712 Series	AN/URC-68	Magnavox 37695
TS-2854/ASH-23	Test Set, Recorder	6625-00-435-4779	R49367	B16	3,238.50	APA	B		TM 11-6625-1818 Series	AN/ASH-23, 24	Northrop 0963900-601A
TS-2967/APS-94D	Test Set Fixture, CRT Alignment	6625-00-938-0234	V77409	B16	5,500.00	APA	A	X	TM 11-6625-1839 Series	AN/APS-94D	Nortronics 09636900-601A

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
TS-2973/APS-94D	Test Set, Radar Processor	6625-00-938-0232	Z35149	B16	$ 42,304.00	APA	R		TM 11-6625-1832 Series	AN/APS-94D/E	Motorola 01P02024B001
TS-2973A/ APS-94D	Test Set, Radar Processor	6625-01-085-4343		B16	20,000.00	APA	R		TM 11-6625-1831 Series	AN/APS-94F	
TS-3134/ARN-103 TS-3379/ARQ-31 TS-3380/ARQ-31	Test Set, Nav Set	6625-00-476-5554	V81915	B16	49,949.00	APA	A	X	TM 11-6625-2595 Series	AN/ARN-103 AN/ARQ-31 AN/ARQ-31	Hoffman 8000000073-1
TS-3609( )/ ALQ-156	Test Set, Countermeasures	6625-01-142-3433	Z82970	B16	62,000.00	PS	A			AN/ALQ-156	
TS-3614/ALQ-136	Test Set, Countermeasures	5865-01-121-8983	T72099	B16	57,174.00	APA	A		TM 11-6625-2885 Series	AN/ALQ-136	
TS-3615/ALQ-136	Test Set, Countermeasures	5865-01-121-8984	T72167	B16	203,603.00	APA	A		TM 11-6625-2884 Series	AN/ALQ-136	
TS-3720/AVR-2	Test Set, Flight Line	5841-01-112-7721		B16	2,200.00	APA	R		TM 11-5841-3026 Series	AN/AVR-2	
TS-3723/AVR-2	Test Set, Bench	5841-01-110-6667		B16	2,700.00	APA	R		TM 11-5841-3026 Series	AN/AVR-2	
TS-3790/U	RF Power Meter	6625-01-069-4970	P41172	B16	5,600.00	APA	A			AN/ARW-83	428D (Boonton)
TS-3895/AVS-6	Test Set	5855-01-134-7146		B16	8,415.00	APA	R			AN/AVS-6	
*TS-3920/ASM	Test Set, STAB/SAS	6625-01-087-1730	T93517	B16	27,571.00	PS	R		TM 11-6625-2942 Series	UH-60AFCS	70700-20650-041
TS-3941/APN-209	Test Set, Altimeter	6625-01-119-4811		B16	690.00	SF	R			AN/APN-209	
TS-3947( )/AR	Test Set, Comm	6625-01-120-7833		B16	2,500.00	PS	R		TM 11-6625-3040 Series	C-10414	
TSEC/ST-21	Test Set, Bench	5810-00-127-2346	V62403	B56	892.00	APA	A			KIT-1A/TSEC	
TSEC/ST-28	Test Set, Remote Control	5810-00-900-0260	R71504	B56	1,050.00	APA	B			TSEC/KY-28	
TSEC/ST-44	Tester	5810-01-052-3637		B56	2,000.00	PS	R			TSEC/KY-58	
TTU-23/E	Test Set, Synchro	6625-00-556-8108	T70380	B16	11,000.00	PS	A		TM 11-6625-2843 Series	General Purpose	Bendix 13819-2A
TV-2/U	Test Set, Electron Tube	6625-00-669-0263	V75697	B16	350.00	APA	A		TM 11-6625-316 Series	General Purpose	Triplett
TV-7D/U	Test Set, Electron Tube	6625-00-820-0064	V76108	B16	699.00	SF	A	X	TM 11-6625-274 Series	General Purpose	

*See Late Additions

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
UG-274B/U	Adapter	5935-00-683-7892	Z00283	S9E	$ 1.01	SF	A	X		General Purpose	
UG-528/U	Adapter, Connector	5985-00-373-1971		S9E	24.15	SF				AN/ARN-52	
UG-564/U	Adapter	5935-00-258-9891	Z00320	S9E	1.96	SF	R			AN/APX-72	
UG-1389/U	Adapter	5985-00-752-5826		S9E	52.14	SF	R			AN/TPN-18(D)	
ZM-3/U	Test Set, Capacitor	6625-00-229-1060	V70217	B16	545.00	SF	A		TM 11-6625-241 Series	General Purpose	
ZM-4/U	Bridge, Resistance	6625-00-166-0398	C26031	B16	120.00	APA	A		TM 11-2019	General Purpose	L&N 5300
ZM-4B/U	Bridge, Resistance	6625-00-500-0937	C26031	B16	281.00	APA	A		TM 11-6625-249 Series	General Purpose	Shallcross 5300-5
ZM-16/U	Resistor, Decade	6625-00-669-0266	R86100	B16	222.00	APA	A		TM 11-6625-313 Series	General Purpose	Dubrow 433-1
ZM-21A/U	Ohmmeter	6625-00-643-1030	N17155	B16	276.00	APA	A		TM 11-6625-298 Series	General Purpose	Winslow 5G1000
ZM-21B/U	Ohmmeter	6625-00-172-6521	N17155	MPB	1,256.96				TM 11-6625-298 Series	General Purpose	Winslow A98400020
ZM-58/U	Decade Resistor	6625-00-585-4915		B16	362.00	SF	R		TM 11-6625-2774 Series		Clarostat 240C
*A-2052 (GE)	Screwdriver, Confining	5120-00-937-1087		N32	885.00					AN/ASN-76	
CET-20A(Cannon)	Extraction Tool	5120-00-987-0785		G 0	29.50	SF	R			AN/AAS-24	
CETC6	Extraction Tool	5120-00-963-7661		G 0	8.10	SF	R			AN/AAS-24	
ESHME	Voltmeter, Electrostatic	6625-00-422-2113		B16	370.00	SF	R			AN/APS-94D	
M10S	Crimp Tool	5120-00-877-6869		G 0	322.00	SF	R			AN/AAS-24	
M15500-20 (Deutsch)	Crimping Tool	5120-00-165-3910		G 0	89.00	SF	R			AN/ALR-46	
M15500-25-2 (Deutsch)	Tool, Crimping	5120-00-421-5820		FLZ						AN/AYA-10	
M15513-20 (Deutsch)	Insertion Tool	5120-00-858-1455		N32	13.50						
M15513-22A (Deutsch)	Insertion Tool	5120-00-916-2318		G 0	2.90	SF	R			AN/AYA-10	
M15514-20 (Deutsch)	Extraction Tool	5120-00-522-8601		G 0	5.40	SF	R			AN/ALR-46	
M15515-22P/A (Deutsch)	Removal Tool	5120-00-916-2316		G 0	4.80	SF	R			AN/AYA-10	
M15570-16 (Deutsch)	Insertion/Removal Tool	5120-00-915-4588		G 0	.97	SF	R			AN/AYA-10	
M-2G3 (General Radio)	Power Supply, Variable	5950-00-877-4863		S9E	87.76	SF	R			AN/APS-94D	
MS18137-20-1	Handle, Insertion	5120-00-865-3252		JGG	42.00					AN/AAS-24	

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TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
MS18137-20-2	Insertion Tool	5120-00-869-6986		JGC	$ 6.00					AN/AAS-24	
MS18137-20-3	Extraction Tool	5120-00-869-6984		JGC	9.00					AN/AAS-24	
MS18278	Insertion Tool	5120-00-132-0396		G 0	2.95	SF	R			AN/AAS-24	
MS24256-A16	Insertion Tool	5120-00-079-4599		G 0	4.75	SF	R			AN/AAS-24	
MS24256-A20	Insertion Tool	5120-00-079-4598		G 0	4.65	SF	R			AN/AAS-24, KA-60C	M15513-20 (Deutsch)
MS24256-R16	Extraction Tool	5120-00-079-4602		G 0	6.00	SF	R			AN/AAS-24	
MS24256-R20	Extraction Tool	5120-00-079-4601		G 0	6.10	SF	R			AN/AAS-24, KA-60C	
MS3191-1	Tool, Crimping	5120-00-017-4145		G 0	156.00	SF	R			AN/AYA-10, KA-60C	
MS3191-4	Crimp Tool	5120-00-921-5769		B46	131.45	SF	R			AN/AAS-24	
MS3198-1	Crimp Tool	5120-00-042-7080		JGG	200.00					AN/AAS-24	
MS3198-1P	Positioner	5120-00-165-3913		G 0	13.00	SF	R			AN/AAS-24	
ON205104	Board Extractor Tool	5810-01-035-2860		B56	12.78	PS	R			TSEC/KY-58	
ON222036	Bench Fixture	5810-01-048-8168		B56	130.00	PS	R			TSEC/KY-58	
*ON512424	Fill Cable	5810-01-066-7587		B56	73.12	PS	R			TSEC/KY-58	
P6053B (Tektronix)	Probe	6625-01-014-0391		S9E	141.96	SF	R			AN/ARQ-33A	
PRD-559A	Meter Frequency	6625-00-620-7481		B16	2,903.00	SF	R			AN/APS-94F	
T8438(Omni Spectra)	Torque Wrench	5120-00-169-5776		G 0	20.30	SF	R			AN/ALR-46, AN/APR-39 (V)1	
TEP-6 (Snap-On)	Torque Wrench	5120-00-585-8434		G 0	26.50	SF	N			AN/APS-94D	
TTF-1500-5-5EE (Telonic)	Bandpass Filter	5895-00-952-9012		S9E	466.31					AN/ALR-46	
TTF-750-5-5EE (Telonic)	Bandpass Filter	5915-00-759-0506		S9E	555.76					AN/ALR-46	
X-2 (Non-Linear)	Voltmeter, Digital	6625-00-068-0611		B16	2,319.00	SF	R		Comm Pubs	AN/AAS-24	N/A
010-6101-01 (Tektronix)	Probe	6625-00-463-5241		N35	45.00	SF	R			AN/ARVV-83, AN/ARM-163	
10100A (Hewlett Packard)	Termination, 50 ohm	6625-00-880-3947		B16	22.77	SF	R			AN/APS-94D/E/F	
10100B (Hewlett Packard)	Termination, 100 ohm	6625-00-758-0138		S9E	53.93	SF	R			AN/APS-94D/E/F	
10692 (Buchannan)	Tool, Crimping	5120-00-064-5631		JGG	67.00					AN/APS-94D/E/F	
1801A (Hewlett Packard)	Plug-In Unit	6625-00-135-6978		B16	910.00	SF	R			AN/ASN-86	
1802A (Hewlett Packard)	Plug-In Unit	6625-00-464-7744		B16	1,980.00	SF	R			AN/AAS-24	

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TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
1821A (Hewlett Packard)	Plug-In Unit	6625-00-229-7041		B46	$ 2,137.00	PS	R			AN/ASN-86	
197A (Hewlett Packard)	Camera Oscilloscope	6720-00-831-7888		B16	500.00	SF	R			KA-76A	
214A (Hewlett Packard)	Generator, Pulse	6625-00-682-7452		B16	3,160.00	PS	R			AN/APS-940	
22 (Tru-Arc)	Tool, Retaining Ring	5120-00-640-6353		G 0	2.20	SF	R			AN/APS-94D/E/F	
222A (Hewlett Packard)	Generator, Pulse	6625-00-930-8215		B16	760.00	SF	R		Comm Pubs	AN/AAS-24, AN/APS-94E	
3300A (Hewlett Packard)	Generator, Signal	(See SG-747/U)									
3304A (Hewlett Packard)	Sweep/Offset Plug-In	(See PL-1178/U)									
3440A (Hewlett Packard)	Voltmeter, Digital	(See ME-231/ FYQ-5)									
3445A (Hewlett Packard)	Plug-In Unit	6625-00-082-1434		B16	855.70	PS	R			AN/APS-94E	
423A (Hewlett Packard)	Crystal Detector	5820-00-877-7148		S9E	54.11	SF	R			AN/AAS-24	
454-12(Starrett)	Verner Height Gauge	5210-00-256-7518	J24115	G 0	483.00	SF	N			KA-60C	
*501 (United Systems)	Digital Thermometer	6685-00-128-2318		FPZ	595.00					AN/AAS-24	
*547A (Hewlett Packard)	Current Tracer Probe	6625-00-076-0806		B16	302.00	PS	R			AN/ARM-163	
549(Tektronix)	Oscilloscope	6625-00-864-6438	00143A	B16	2,479.00	PS	R			TSEC/KY-58	
6114A (Hewlett Packard)	Power Supply	6130-01-048-2118		FPZ	2,065.00					AN/ARM-163	
6200B (Hewlett Packard)	Power Supply	6130-00-463-4638		B14	400.00	SF	R			AN/ARW-83, AN/ARM-163	
651C3 (Waters)	Torque Dial Tester	6635-00-805-3652		S9G	261.36	SF	R			AN/ARC-131	
7365 (UMC)	Test Set, Pitot-Static	4920-00-988-0206	W03735	B17	2,854.00	APA	A			UH-60 AFCS	
*794FM (Narda)	Attenuator, Variable	5985-00-069-1648		S9E	1,366.70	SF	R			AN/APN-209	
8025 (North Atlantic)	Angle Position Ind.	6625-00-422-2112		B16	1,404.00	SF	A			AN/AAS-24	

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TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
8100B (Fluke)	Multimeter, Digital									TSEC/KY-58	
8403A (Hewlett Packard)	Modulator Drive	6625-00-089-3146	D41269	B16	$ 2,031.50	SF	A			AN/ALR-46, AN/APR-39(V)1	N/A
8491B-10(Hewlett Packard)	Attenuator	5985-00-454-6923	A00732	S9E	85.05	SF	R			AN/APR-39	
8491B-50 (Hewlett Packard)	Attenuator, Fixed	5985-00-138-5225		S9E	194.54	SF	R			AN/APN-209	
8731B (Hewlett Packard)	Pin Modulator	6625-00-932-1852	Z48827	B46	1,360.00	PS	R			AN/ALR-46, AN/APR-39(V)1	
8732B (Hewlett Packard)	Pin Modulator	6625-00-765-5708		B16	1,367.00	SF	R			AN/ALR-46	
8733B (Hewlett Packard)	Pin Modulator	6625-00-893-7960		B64	918.00	APA	R			AN/ALR-46	
8734B (Hewlett Packard)	Pin Modulator	6625-00-113-6300	Z48830	B64	1,136.00	APA	R			AN/ALR-46, AN/APR-39(V)1	
8802A (Hewlett Packard)	Plug-In Unit	6625-00-463-6041		B16	482.00	PS	R			AN/ASN-86	
8806B (Hewlett Packard)	Plug-In Unit	6625-00-401-2176		FPZ	495.00					AN/ASN-86	
	Adapter, Socket Wrench	5120-00-240-8703		G 0	.68	SF	R			AN/APS-94D/E/F	
	Relay, Reverse Current	5945-00-824-5575		S9E	437.52	SF	R			Batteries	
	Screwdriver, Special	5120-00-675-0867		G 0	1.90	SF	R			AN/AYA-10	
	Stopwatch, Chronometer	6645-00-250-4680		G 0	33.00	SF	R			General Purpose	
	*Temperature Meter	6625-00-079-9115		S9G	186.14					AN/ALR-46	
	Thermometer, Glass	6685-00-851-4577		S9G	5.72	SF	R			CV-2808/ASH-19	
	*Tool, Crimping	5120-00-278-2423		G 0	3.30	SF	R			OK-279	
	*Wrench, Strap	5120-00-072-5361		G 0	29.00	SF	R			AN/AAS-24	
	Wrench, Torque	5120-00-288-8865		G 0	27.50	SF	R			AN/APS-94D/E/F	
	Wrench Set, Socket	5120-00-081-2307	Y74965	G 0	42.00	SF	A			AN/APS-94D/E/F	

*See Late Additions

LATE ADDITIONS

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATION	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AM-6785/U	Amplifier	6625-00-361-5318	A48970	B16	$ 2,060.00	PS	A			AN/ALM-153	7418N(TER)
AN/ALM-154	Test Set	6625-00-134-2975	V77628	B16	213,803.00	APA	A			AN/ALQ-133	
AN/GRM-114A	Test Set, Radio	6625-01-144-4481	T87468	B16	7,300.00	APA	R	X	TM 11-6625-3016 Series	General Purpose	
AN/PAS-6	Metascope	5855-00-790-6197	M36591	B16	275.00	PS	R				
AN/PRM-34A	Test Set, Radio	6625-01-094-5646	R93169	B16	491.00	APA	A			AN/ARC-201	
AN/URM-120B	Test Set, RF Power	6625-01-123-8098	V89534	B16	1,353.00	SF	R			General Purpose	
AN/URM-209	Test Set, Radio	6625-01-168-1187		B16	9,675.00	APA	R			AN/ARC-199, AM-7189	
AN/USM-433	Digital Processor	6625-01-038-4193	T74020	B16	40,000.00	PS	A				
AN/USM-434	RF Processor	6625-01-038-5213	T89533	B16	20,000.00	PS	A				
AN/USM-435	Test Set, RF Power	6625-01-038-5702	T83265	B16	10,000.00	PS	A				
AN/USM-436	Test Set, Receiver	6625-01-038-5214	T90572	B16	40,000.00	PS	A				
AN/USM-460	Test Set	6625-01-038-5215	T71563	B16	40,000.00	PS	A				
J-4247/AR	Interconnect Box	6625-01-188-7470		B16	500.00	SF	R			RT-1300, RT-1354	
ME-525/A	Modulation Meter	6625-01-161-1459		B16	1,370.00	PS	R			RT-1354/ARC-186	
ME-526/A	RF Millivoltmeter	6625-01-161-1461		B16	1,370.00	PS	R				
MK-( )	Maintenance Kit	5865-01-057-1965		B16	8,388.00	SF	R			AN/ALM-153	
MK-( )	Maintenance Kit	5865-01-059-5083		B16	11,920.00	PS	R			AN/ALQ-156	
MK-994A/AR	Test Facilities Kit	6625-01-189-7882	V61444	B16	12,000.00	PS	R			General Purpose	
MK-1896/U	Adapter	6625-01-068-1664	A17680	B46	17,500.00	PS	A				
MK-1961/TSQ-114	Test Kit	6625-01-068-1665	M02109	B46	2,650.00	PS	A				
MK-1962/TSQ-114	Maintenance Kit	6625-01-068-1666	M02177	B46	23,535.00	PS	A				
MX-1730/U	Fuseholder	5920-00-636-0679		S9E	13.50	SF	R			RT-1300, RT-1354	
MX-7772/U	Thermister Mount	6625-00-886-1955		B16	400.00	SF	R			AN/ALQ-156	HP478A/U
MX-8500/ARM	Termination Box	5821-00-179-3243		B16	462.00	SF	R			RT-1167( ), RT-1300/ 1354	
OS-262(P)U	Oscilloscope	6625-01-007-9416	P32228	B16	585.00					General Purpose	
PL-1307/U	Plug-In Unit	6625-00-231-0402		B16	613.00					AN/ASN-86	
PL-1387/U	Plug-In Unit	6625-00-167-5267	S00625	B16	4,050.00				TM 11-6625-278 Series		HP8556A
PP-7286	Power Supply	6130-02-041-3490		B16						AN/AYA-10	
SG-1207/U	Signal Generator										
SG-1219/U	Signal Generator	6625-01-188-7441	Z73646	B16							
TD-1225(V)2/U	Frequency Counter	6625-01-121-6934	M65673	B16	3,950.00	APA	A				
TD-1338(V)1/USM	Pulse Counter	6625-01-120-7832		B16					TM 11-6625-3031 Series		
TS-617D/U	Q-Meter	6625-01-168-2941	Q02968	B16							
TS-3920A/ASN	Test Set, STAB/SAS	6625-01-169-5333	T93517	B16	15,800.00	PS	R		TM 11-6625-2942 Series	UH-60 AFCS	
TS-4084/G	Distontion Analyzer										

LATE ADDITIONS

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATION	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
ACR-TS-24-B	Test Set, Radio	6625-01-128-8588								AN/PRC-90-1	
BB-N-4-1	Nitrogen Tank	6830-00-292-0131		S9G	$ 157.00	SF	R			AN/AVS-6	
P6008	Probe, X-10	6625-01-097-0440		FPZ	418.00					AN/ALQ-156	
SC-4931-95CL-J54	Purge Kit, Fire	4931-00-065-1110	P70517	B14	217.00	SF	R			AN/AVS-6	
SM-B-657451	Purge Adapter	5855-00-125-0807		B16	7.50	SF	R			AN/AVS-6, PVS-5	
4150(Honeywell)	Disk, Memory	7025-01-134-8438		FLZ	14,000.00						
4820(Honeywell)	Converter	7050-00-320-5645		FPD	1,447.00						
4821(Honeywell)	Generator, Clock	7035-00-320-5644		FPD	3,028.00						
4823(Honeywell)	Generator, Trigger	7050-00-315-0342		FPD	1,329.00						
4824(Honeywell)	Clock, Source	7035-00-369-6340		FPD	2,039.00						
4825(Honeywell)	Generator, Randor	7035-00-365-3984		FPD	1,009.00						
4826(Honeywell)	Generator, Word	7035-00-369-6346		FPD	2,943.00						
4827(Honeywell)	Generator, Pulse	6625-00-371-4204		FPD	2,039.00						
5003230	Collimation Attach.	5855-01-151-4216		B16	1,030.00	SF	R			AN/AVS-6, PVS-5	
5003246	Diopter Scope	5855-01-151-4217		B16	81.00	SF	R			AN/AVS-6, PVS-5	
5003423	Wrench, Spanner	5120-00-137-9166		B16	5.00	SF	R			AN/AVS-6, PVS-5	
504 (Gertch)	Bridge Synchro	6625-00-708-7926		B16	1,762.00	APA	U			AN/ASN-86	
7806(Honeywell)	NIN BIN	7035-00-369-6339		FPD	1,998.00						
7812(Honeywell)	Conditioner, Data	7050-00-315-0341		FPD	1,648.00						
7815(Honeywell)	Demodulator, Data	7050-00-315-0336		FPD	1,329.00						
7847(Honeywell)	Conditioner, Signal	7035-00-365-3989		FPD	896.00						
	Tank, Nitrogen	6830-00-782-2641		S9G	94.00	SF	R			AN/PVS-5	
	Tool, Insert	5120-00-137-9196		B16	1.00	SF	R			AN/PVS-5	
	Wrench, Torque	5120-00-169-5776		G0	26.50	SF	R			AN/ALQ-156	
	Wrench, Spanner	5120-00-137-9181		B16	8.30	SF	R			AN/PVS-5	

NSN TO TYPE NUMBER CROSS REFERENCE

NSN	TYPE NO. OR NOMENCLATURE
6130-01-093-3077	PP-7274A/A
5915-01-094-5577	F-1391/TSW-7A
5895-01-094-5595	PP-7442/G
6625-01-094-5646	AN/PRM-34
5965-01-094-6574	M-87A/AIC
5965-01-094-6602	H-134A/AIC
6625-01-095-6207	OQ-59A/APS-94D
1560-01-096-1036	70600-06001-103 (Sikorsky)
5841-01-096-8673	RT-1115A/APN-209(V)
6625-01-097-0440	P6008
4920-01-097-1120	209-075-964-5(Bell)
5841-01-098-4339	AN/APN-209A(V)1
5865-01-098-7105	AN/ALQ-144(V)3
5895-01-098-7378	AN/ASN-137
6140-01-099-0251	BB-601A/A
6140-01-099-0253	BB-434A/A
5841-01-099-1796	AN/APN-209A(V)2
5895-01-099-6161	CV-3669/ASN-137
5865-01-100-0380	C-9576/ALQ
7035-01-100-0968	AN/USQ-61A
6625-01-101-1318	OS-261B(V)1/V
5975-01-101-9840	MT-6163/USQ-61
6625-01-104-0742	SCIBCS101A
5915-01-104-8174	F-1429/ALQ-151
6140-01-105-6511	BB-( )/A
5821-01-108-1443	CM-492/ARC-186(V)
5895-01-108-3711	C-10388/TSW-7A
5841-01-108-4158	MK-2061/APN-215
5895-01-109-6405	CP-1470/A
5895-01-109-6411	S1660-60036-101 (Sikorsky)
5895-01-109-6413	C-10909/A
5895-01-109-6421	MT-6227/A
5895-01-110-1024	TR-323/A
5895-01-110-1042	AM-7106/A
5895-01-110-1082	CN-1564/A
5895-01-110-1083	CN-1552/A
5895-01-110-2198	C-10998/A
5895-01-110-2223	CV-3701/A
5895-01-110-2229	ID-2277/A
5895-01-110-2233	MT-6226/A
5841-01-110-6665	AN/AVR-2
5841-01-110-6666	SU-130/AVR-2
5841-01-110-6667	TS-3723/AVR-2
5841-01-112-7721	TS-3720/AVR-2
6140-01-114-1219	BB-( )/A(19804-014)
5841-01-114-6007	AN/APN-209A(V)3
5895-01-114-9554	J-3766/A
5895-01-114-9556	ID-2278/A
5895-01-114-9557	TR-322/A
5895-01-114-9564	ID-2279/A
6130-01-114-9690	PP-7723/A
5841-01-115-4382	CM-493/AVR-2
5985-01-115-9145	MX-10251/USQ
5811-01-115-9146	MX-10250/USQ
5865-01-115-9147	AM-7121/ALQ-151
5865-01-115-9151	PP-7292A/USQ
5865-01-115-9152	PP-7293A/USQ
5865-01-115-9153	PP-7294A/USQ
5895-01-115-9154	C-11002/USQ
5985-01-115-9794	AS-3352/ARC
5985-01-115-9795	AS-3350/ARC
5985-01-115-9796	AS-3351/ARC
5985-01-118-2297	AS-3381/ARQ-33
5985-01-118-2371	CU-2245/ARQ-33
5915-01-118-7575	F-1515/ALQ-151
5895-01-119-2741	CU-2284/A
5826-01-119-4010	ID-1351E/A
6625-01-119-4811	TS-3941/APN-209
5826-01-119-7141	209-077-081-5(Bell)
7021-01-119-7180	CP-1446/A
6625-01-119-7271	AN/URM-145B
6615-01-119-9261	209-074-084-1(Bell)
5990-01-120-3047	AM-7105/A
6625-01-120-3501	SG-1170-U
6625-01-120-7831	AN/AAQ-11
6625-01-120-7832	TD-1338(V)1/USM
6625-01-120-7833	TS-3947( )/AR
6625-01-121-6934	ID-1225(V)2/U
5865-01-121-8982	RT-1149/ALQ-136
5865-01-121-8983	TS-3614/ALQ-136
5865-01-121-8984	TS-3615/ALQ-136
5821-01-122-7094	RT-1288A/ARC-164
5821-01-123-1600	AM-6798/ARC-174
6625-01-123-8098	AN/URM-120B
6625-01-124-0834	AN/GSM-64C
5985-01-124-1538	AS-3528/A
5985-01-124-7297	AS-3522/A
5985-01-124-7298	AS-3524/A

NSN TO TYPE NUMBER CROSS REFERENCE (Cont'd)

NSN	TYPE NO. OR NOMENCLATURE
5985-01-124-7299	AS-3525/A
5865-01-125-0297	AS-3007/ALQ-136
6680-01-125-0325	TR-326/A
5995-01-125-1087	CX-13092A/ARC-164(V)16
5821-01-125-4411	MT-4777/ARC-174
6615-01-125-6581	CN-811B/ASN
5985-01-125-6780	AS-3527/A
5985-01-126-2946	AS-3523/A
5975-01-127-3961	MT-3802A/ARC
5815-01-127-5868	T-772(P)/G
5865-01-127-6880	AN/ALQ-136(V)
5915-01-127-6930	F-1522/A
1680-01-128-1763	70901-02002-106 (Sikorsky)
5821-01-128-7753	R-2136A/ARC-164(V)16
6625-01-128-8588	ACR-TS-24-B
5895-01-129-1314	CP-1516/ASQ
6130-01-129-5494	PP-6187/TSW-7
5985-01-129-7463	70600-01019-104 (Sikorsky)
5865-01-132-1303	AN/ALQ-151(V)2
5865-01-132-1305	C-11124/ALQ-151(V)
5865-01-132-1306	ID-2302/ALQ-151(V)
5865-01-132-1308	ID-2300/ALQ-151(V)
5865-01-132-1309	ID-2301/U
7035-01-132-1310	ID-1354/ALQ-151(V)
6625-01-133-6160	SG-1171/U
5895-01-133-6600	C-10414/ARC
5985-01-134-0110	AS-3526/A
6140-01-134-2277	BB-432B/A
5985-01-134-2291	S65-8282-30 (Sikorsky)
5985-01-134-2292	AT-326/ARN
5895-01-134-3154	C-10131/ALQ-156(V)
7025-01-134-3338	AN/UYH-1
5855-01-134-7146	TS-3895/AVS-6
7035-01-134-7148	AN/UYK-19A
7025-01-134-8438	4150(Honeywell)
5865-01-134-8602	CU-2293/ALQ-151(V)
5865-01-134-8603	RE-1136/ALQ-151(V)
6110-01-134-8604	J-3986/ALQ-151(V)
6610-01-135-2149	ID-2104A/A
5841-01-135-2150	RT-1220/ALQ-156
5975-01-135-3734	114E3118-6
6130-01-135-5065	PP-7798/A (145ES014-1)
6605-01-135-6328	C-11097/ASN-132
6625-01-135-7210	SG-1205/U
6625-01-136-2064	AN/USM-489(V)1
5821-01-137-1036	RT-1182/ARC-174
5821-01-137-6660	RT-1167B/ARC-164
5841-01-137-8445	ID-1917A/APN-209(V)
6625-01-138-3351	AN/USM-490
5895-01-138-3395	C-10909A/A
5895-01-138-3397	AM-7106A/A
5855-01-138-4748	AN/AVS-6(V)2
5855-01-138-4749	AN/AVS-6(V)1
6625-01-139-2512	AN/PSM-45
5841-01-140-0941	RT-1115B/APN-209(V)
5841-01-140-1700	RT-1411/APN-209(V)
5860-01-141-3900	MT-4698/AAS-32
5826-01-141-8656	AN/APN-209B(V)1
5821-01-142-3058	C-11188/ARC
5826-01-142-3059	CV-3739/ASN-132
6625-01-142-3433	TS-3609/ALQ-156
5821-01-143-8293	AS-3594/ARC
6625-01-144-4481	AN/GRM-114A
6625-01-145-2430	AN/USM-486
5985-01-145-5431	CU-2239/ARC
5841-01-145-9981	AN/APN-209B(V)3
5841-01-147-1064	AN/APN-209B(V)2
5821-01-156-0457	AN/APN-209B(V)4
5855-01-151-4216	5003230
5855-01-151-4217	5003246
5895-01-155-8315	ID-2277A/A
6605-01-155-8326	ID-2278A/A
5865-01-156-0437	AS-3650/ALQ-156(V)
5865-01-156-0454	RT-1220B/ALQ-156
5865-01-156-0455	RT-1220A/ALQ-156
5865-01-156-0460	AN/ALQ-156(V)2
6615-01-157-6272	CN-811C/ASN
5999-01-159-4862	MX-10374/UYK-19A
6605-01-160-4442	ID-2103A/A
6625-01-161-1459	ME-525/A
6625-01-161-1461	ME-526/A
6605-01-161-3919	AN/ASN-43
6140-01-162-5234	29230-003

NSN TO TYPE NUMBER CROSS REFERENCE (Cont'd)

NSN	TYPE NO. OR NOMENCLATURE	NSN	TYPE NO. OR NOMENCLATURE
5985-01-162-6084	AS-3649/ALQ-156(V)		
5965-01-164-0561	MK-1564/AIC		
1260-01-165-6369	8001671-901		
1260-01-166-5577	8500088-901		
5826-01-166-7853	AM-7106B/A		
7035-01-166-7857	AN/UYK-64(V)2		
5895-01-167-8206	C-10414(V)1/ARC		
5821-01-167-8296	AN/ARC-199		
5895-01-168-2938	C-10414(V)2/ARC		
6625-01-168-1187	AN/URM-209		
6625-01-168-2941	TS-617D/U		
5895-01-168-7154	C-10414(V)3		
6625-01-169-5333	TS-3920A/ASN		
1260-01-169-8775	8500233-901		
1260-01-170-4056	8500056		
5821-01-172-2879	C-11245/U		
5821-01-172-2880	AM-7201/U		
5821-01-172-2924	RT-1432/U		
5985-01-177-0800	CU-2305/ARC-199		
6140-01-186-8802	406-075-806-101 (Hughes)		
5821-01-186-8803	406-077-802-101 (Hughes)		
5821-01-186-8804	406-077-801-101 (Hughes)		
6130-01-186-8815	405-075-802-101 (Hughes)		
5865-01-186-9128	AN/ALQ-136(V)4		
5865-01-186-9130	AN/ALQ-136(V)5		
6615-01-187-0548	CN-1314B/A		
5821-01-187-7803	406-077-805-101 (Hughes)		
6625-01-188-7441	SG-1219/U		
6625-01-188-7470	J-4247/AR		
6625-01-189-7882	MK-994A/AR		
6615-01-189-7976	CN-1314C/A		
6615-01-194-1909	CN-1314A/A		
5985-01-197-9237	406-077-109-101 (Hughes)		
5985-01-197-9347	406-077-817-101 (Hughes)		
5915-01-198-3921	406-077-822-101 (Hughes)		

LATE ADDITIONS

NSN TO TYPE NUMBER CROSS REFERENCE

NSN	TYPE NO. OR NOMENCLATURE
4931-00-065-1110	SC-4931-95CL-J54
6130-00-065-6811	PP-( )
5855-00-125-0807	SM-B-657451
5120-00-137-9166	5003423
5120-00-137-9181	Spanner Wrench
5120-00-137-9196	Insert Tool
6625-00-167-5267	PL-1387/U
5120-00-169-5776	Torque Wrench
5821-00-179-3243	MX-8500/ARM
6665-00-179-9038	C-8163/AQR-6
6665-00-179-9039	ID-1581/ADR-6
6625-00-231-0402	PL-1307/U
6830-00-292-0131	BB-N-4-1
7050-00-315-0336	7815(Honeywell)
7050-00-315-0341	7812(Honeywell)
7050-00-315-0342	4823(Honeywell)
7035-00-320-5644	4821(Honeywell)
7050-00-320-5645	4820(Honeywell)
5835-00-332-2585	RD-385A/UNH-16A
6625-00-361-5318	AM-6785/U
7035-00-365-3984	4825(Honeywell)
7035-00-365-3989	7847(Honeywell)
1520-00-368-8442	AN/ARQ-33A
7035-00-369-6339	7806(Honeywell)
7035-00-369-6340	4824(Honeywell)
7035-00-369-6346	4826(Honeywell)
6625-00-371-4204	4827(Honeywell)
7035-00-533-4464	AN/UYQ-10(V)1
6625-00-558-2324	PL-1392/U
5826-00-626-8731	RT-1057A/ARN-103
5920-00-636-0679	MX-1730/U
6625-00-708-7926	504(Gertch)
6830-00-782-2641	Nitrogen Tank
5855-00-790-6197	AN/PAS-6
5820-00-800-9937	AN/ARQ-33
5821-00-801-4671	137X-1(Collins)
6625-00-886-1955	MX-7772/U
6665-00-930-2304	RO-301/ADR-6
6625-01-007-9416	OS-262(P)V
5826-01-012-1938	RT-1159A/ARN-118
5895-01-020-8757	R-2017/A
6625-01-038-4193	AN/USM-433
6625-01-038-5213	AN/USM-434
6625-01-038-5214	AN/USM-436
6625-01-038-5215	AN/USM-460
6625-01-038-5702	AN/USM-435
5826-01-041-2044	MT-4915/A
7035-01-042-0150	MT-4904/USQ-61
5841-01-054-8540	AN/APR-39(V)2
5865-01-057-1965	MK-( )
5865-01-059-5083	MK-( )
5821-01-062-0961	CM-482/ARC-186
6625-01-068-1664	MK-1896/U
6625-01-068-1665	MK-1961/TSQ-114
6625-01-068-1666	MK-1962/TSQ-114
5995-01-068-6914	CX-13092/ARC-164(V)12
6625-01-069-4223	AN/USM-410(V)2
5865-01-070-2027	PP-7472/TLQ-17A
5865-01-070-2046	R-2107/TLQ-17A
6625-01-070-3658	AN/USM-410(V)1
6625-01-070-4404	OA-8991/MSM
*5865-01-070-8960	C-10050/USQ
5865-01-071-1876	C-10027/USQ
5865-01-071-1888	IP-1251/USQ
5860-01-071-5062	CY-7440/AAS-32
5865-01-071-5301	KY-836/ALQ-151
5860-01-072-1014	CY-7441/AAS-32
5821-01-072-1351	R-2136/ARC-164(V)12
6625-01-074-4337	SG-677/A
5821-01-076-2245	C-10604(V)6/ARC-186
5865-01-076-3064	T-1386/TLQ-17A
6625-01-076-3416	AN/APM-424
5865-01-076-9050	C-10026/USQ
6625-01-077-5452	AN/USM-410(V)3
6625-01-077-8503	AN/URM-206
6625-01-083-9446	AN/URM-200
5826-01-085-3010	209-030-133-7(Bell)
6135-01-090-5365	BA-5567/U
6130-02-041-3490	PP-7286
*5865-01-070-8961	C-10144/ALQ-151

APPENDIX D

AVIONICS RELATED MWO MANAGEMENT DATA

This appendix contains data pertaining to avionics related Modification Work Orders and consists of two parts. Part I lists 11 Series MWO's applicable to both avionics equipment and associated test sets. Part II lists 55 Series MWO's which involve modification of aircraft to change the avionics configuration. This appendix augments DA Pam 310-1 and DA Pam 750-10 and was current as of the date that this publication was submitted for printing. The MWO's listed in this appendix are currently in several categories as indicated in the STATUS column. Following is an explanation of the codes used:

C - Indicates a current published MWO that has been scheduled in the current fiscal year and for which the required resources are available for application within a specified time frame.
P - Indicates a projected MWO which is an approved alteration of materiel which has not been released and/or scheduled for application because of resource nonavailability.
S - Indicates a suspended MWO which is a published MWO realeased for application on which no further action will be taken in regard to application or removal of kits pending modification re-evaluation.
D - Indicates a deferred MWO which is a current MWO for which application has been rescheduled because of resource diversion.
SP- Indicates a special purpose modification in accordance with AR 750-10.

PART I

EQUIP/ACFT	MWO NUMBER	STATUS	BRIEF TITLE AND/OR PURPOSE	PUB DATE	MANHOURS	GENERAL APPLICABILITY (SEE MWO FOR SPECIFIC SERIAL NRS)
AN/APM-123	11-6625-667-40-2	C	Mod to change PRF	Sep 74	1.9	All procured under Contract DAAD05-69-C-0765
AN/APX-72	11-5895-490-40-2	C	Mod to add mode 4 capability	Jan 72	10.0	Ser nrs DEE 1 thru DEE 2363
AN/APX-72	11-5895-490-40-3	C	Mod to add mode 4 capability	Mar 73	10.0	Ser nrs DCN 0001 thru DCN 6549
AN/APX-72	11-5895-490-40-4	C	Mod to add mode 4 capability	Mar 74	10.0	Ser nrs BPA 0001 thru BPA 10887
AN/ASC-15	11-5821-285-40-1	C	Mod to add secure re-transmit capability	Jul 82	7.0	All
AN/ASM-146	11-4940-238-50-1	C	Correction of safety hazards	Aug 77	35.0	Ser nrs 1A thru 153A and 0001 thru 0166
C-6873/ARN	11-5826-226-50-2	C	Mod to convert to C-6873B	Jul 75	1.0	All
ID-1347/ARN	11-5826-226-50-1	C	Mod to convert to ID-1347C	May 74	2.0	All
MT-3791/ARC	11-5821-277-30-1	S	Mod to strengthen mount	Apr 74	3.0	All MT-3791 installed in AH-1 aircraft

PART II

EQUIP/ACFT	MWO NUMBER	STATUS	BRIEF TITLE AND/OR PURPOSE	PUB DATE	MANHOURS	GENERAL APPLICABILITY (SEE MWO FOR SPECIFIC SERIAL NRS)
AH-1Q/S	55-1500-200-50-1	C	Instl of Provisions for AN/APR-39	Apr 78	80.0	Selected Aircraft
AH-1G/Q	55-1520-221-30-52	SP	Instl of Provisions for Proximity Warning Device	Feb 77	36.0	Aircraft at selected locations
AH-1G/Q	55-1520-221-30-53	SP	Instl of Provisions for remote PWD Indicator	May 77	6.0	Aircraft at selected locations
AH-1S(MOD)	55-1520-234-50-1	C	NVG Compatability	Jun 82	80.0	All
AH-1S(FMC)	55-1520-235-50-1	C	Instl of Provisions for AN/ALQ-136(V)1	Nov 83	160.0	All
CH-47A/B/C	55-1500-210-30-37	C	Instl of Provisions for AN/APX-72	Jan 73	70.0	Selected Aircraft
CH-47B/C	55-1520-227-30-30	SP	Instl of Provisions for Proximity Warning Device	Feb 74	40.0	Aircraft at selected locations
CH-47C	55-1520-227-30-35	C	Instl of Provisions for TSEC/KY-58	Dec 81	96.0	All
CH-47C	55-1520-227-30-40	C	Instl of Provisions for AN/APN-209	Dec 80	80.0	All
CH-47C	55-1520-227-50-23	C	Instl of Provisions for AN/APR-39	Jul 79	222.0	All

PART II

EQUIP/ACFT	MWO NUMBER	STATUS	BRIEF TITLE AND/OR PURPOSE	PUB DATE	MANHOURS	GENERAL APPLICABILITY (SEE MWO FOR SPECIFIC SERIAL NRS)
CH-47C	55-1520-227-50-27	C	NVG Compatability	Apr 82	48.0	All
CH-47C	55-1520-227-50-30	C	Instl of VOR Rams Horn Antenna	Sep 83	22.5	All
CH-47C	55-1520-227-50-31	C	Instl of Provisions for AN/ALQ-156	-	-	All
CH-47C	55-1520-227-50-32	C	Instl of RT-1167/ARC	Oct 83	104.0	All
CH-54A/B	55-1520-217-30-66	C	Instl of Provisions for R-1963	Sep 82	168.0	All
CH-54A/B	55-1520-217-30-68	C	Instl of comb HF-ADF Antenna	May 82	72.0	All
CH-54A/B	55-1520-217-30-73	P	Improvement of AFCS Amplifier			
OH-6A	55-1520-214-50-11	C	Instl of Provisions for AN/APX-72		48.0	Series 1 & 2 acft (FY 65-67)
OH-58A	55-1520-228-30-6	C	Instl of Audio Threshold System	Jul 73	20.0	FY68-FY70
OH-58A	55-1520-228-30-22	SP	Instl of Provisions for Proximity Warning Device	Jan 74	20.0	Aircraft at selected locations
OH-58C	55-1520-228-30-37	P	Correction of EMI deficiences			
OH-58A	55-1520-228-30-28	C	Re-installation of #2 FM provisions	Dec 78	8.0	Aircraft with PWD installed

PART II

EQUIP/ACFT	MWO NUMBER	STATUS	BRIEF TITLE AND/OR PURPOSE	PUB DATE	MANHOURS	GENERAL APPLICABILITY (SEE MWO FOR SPECIFIC SERIAL NRS)
OH-58A	55-1520-228-50-4	C	Instl of Provisions for AN/APR-39	Jan 78	60.0	Selected Aircraft
OH-58A	55-1520-228-50-10	C	Instl of Provisions for AN/ARN-123	Aug 77	50.0	Selected Aircraft
OH-58A	55-1520-228-50-12	C	Instl of AN/APX-100 and inst. panel	Aug 77	40.0	Selected Aircraft
OH-58A	55-1520-228-50-14	C	Instl of Provisions for AN/APN-209	Aug 77	50.0	Selected Aircraft
OH-58A	55-1520-228-50-22	C	NVG Compatability	Jun 82	12.0	All
OH-58C	55-1520-228-50-28	C	Instl of Avionics Fix It Kit	Dec 83	9.0	All
OV-1C	55-1510-204-30-36	C	Instl of MT-4105/AAS-14A	Oct 73	18.0	All
OV-1B/C	55-1520-204-50-13	C	Update of navigation provisions	Oct 79	175.0	All
OV-1D/RV-1D	55-1520-213-50-1	C	Update of navigation provisions	Oct 79	120.0	Selected aircraft
OV-1D	55-1510-213-50-2	C	Instl of Provisions for AN/ALQ-147	Jul 79	120.0	All
RV-1D	55-1510-213-50-3	C	Instl of Provisions for AN/ALQ-147	Mar 80	90.0	All
RV-1D	55-1510-213-50-4	C	Instl of AN/USQ-61A	Sep 83	400.0	All
OV-1D/RV-1D	55-1510-213-50-5	C	Instl of Provisions for AN/APR-39(V)2	Jan 82	320.0	All

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PART II

EQUIP/ACFT	MWO NUMBER	STATUS	BRIEF TITLE AND/OR PURPOSE	PUB DATE	MANHOURS	GENERAL APPLICABILITY (SEE MWO FOR SPECIFIC SERIAL NRS)
OV-1D	55-1500-213-50-6	C	Instl of AN/APS-94F and AN/AKT-18B	Oct 82	480.0	Selected aircraft
OV-1D	55-1510-213-50-7	C	Instl of AN/APS-94F and AN/AKT-18B	Oct 82	480.0	Selected aircraft
OV-1D/RV-1D	55-1510-213-50-8	C	Instl of Provisions for AN/APR-44(V)3	Oct 82	240.0	All
OV-1D/RV-1D	55-1510-213-50-9	C	Instl of RT-1167/ARC-164 and TSEC/KY-58 Provisions	Oct 80	119.0	All
T-42A	55-1510-208-50-1	C	Avionics Update	Nov 83	260.0	All
U-8F	55-1510-201-50-3	C	Instl for King Avionic Package	Oct 83	25.0	All
U-21( )/RU-21( )	55-1510-200-50-2	C	Instl of battery monitor	Jan 80		All
RU-21A/B/C	55-150-200-50-5	P	Instl of Provisions for AN/APR-44(V)3			All
U-21A/RU-21A	55-1510-200-50-17	P	Instl of AN/APN-215			All
U-21A	55-1510-209-50-1	C	Instl of R-1963	Apr 80	80.0	All
U-21A/G	55-1510-209-50-5	C	Instl of King Avionic Pkg	Sep 83	25.0	All
RU-21H	55-1510-215-50-3	C	Instl of Provisions for AN/APR-44(V)3	May 83	120.0	All

PART II

EQUIP/ACFT	MWO NUMBER	STATUS	BRIEF TITLE AND/OR PURPOSE	PUB DATE	MANHOURS	GENERAL APPLICABILITY (SEE MWO FOR SPECIFIC SERIAL NRS)
RU-21H	55-1510-215-50-4	P	Instl of Provisions for AN/APR-39(V)2			All
U-21G, RU-21H	55-1510-215-50-5	P	Instl of R-1963			All
U-21G, RU-21H	55-1510-215-50-8	C	Instl of AN/APN-215	Jul 83	160.0	All
UH-1B/C/M	55-1500-219-30-3	SP	Instl of Provisions for Proximity Warning Device	Jan 74	16.0	Aircraft at selected locations
UH-1C/D/H/M	55-1500-219-30-4	C	Instl of Provisions for AAU-32	Aug 74	8.0	All
UH-1H	55-1500-219-30-8	C	Instl of 5V Lighting System	Jul 80	16.0	Medevac Aircraft only
UH-1D/H	55-1520-210-30-34	C	Update of IFF Provisions	Sep 70	26.0	FY62-FY67
UH-1D/H	55-1520-210-30-36	C	Instl of Provisions for #2 FM (AN/ARC-114)	May 72	42.0	FY62-FY70
UH-1D/H	55-1520-210-30-37	C	Instl of Provisions for AN/ARC-115	May 72	48.0	FY62-FY66
UH-1D/H	55-1520-210-30-40	SP	Instl of Provisions for Proximity Warning Device	Jan 74	16.0	Aircraft at selected locations
UH-1D/H	55-1520-210-30-45	C	Instl of R-1963	Mar 80	82.0	Medevac Aircraft only
UH-1D/H	55-1520-210-30-48	C	Instl of AN/APN-209	Jul 80	50.0	Medevac Aircraft only
UH-1D/H	55-1520-210-30-49	P	Instl of AN/ARN-124			Medevac Aircraft only

PART II

EQUIP/ACFT	MWO NUMBER	STATUS	BRIEF TITLE AND/OR PURPOSE	PUB DATE	MANHOURS	GENERAL APPLICABILITY (SEE MWO FOR SPECIFIC SERIAL NRS)
UH-1H	55-1520-210-50-6	C	Instl of Provisions for AN/APR-39	Oct 77	80.0	Selected Aircraft
UH-1H/V	55-1520-210-50-7	C	NVG Compatability	Jun 82	11.0	All
UH-1V	55-1520-210-50-9	C	Instl of AN/ARN-124 Prov.	Nov 83	90.0	All
UH-1M	55-1520-220-30-2	C	Instl of Provisions of #2 FM (AN/ARC-114)	Jan 72	42.0	FY63-FY66
UH-1M	55-1520-220-30-3	C	Instl of Provisions for AN/ARC-115	Jun 72	48.0	FY63-FY66

APPENDIX E

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE

This appendix lists avionics equipment by type number and nomenclature cross referenced to the aircraft in which it is or could be installed. A ( ) following the aircraft type indicates all models of that type. Refer to the aircraft configuration sheets for specific applicability information.

TYPE	NOMENCLATURE	AIRCRAFT
AM-3209/ASN	Servoamplifier	AH-1( ), CH-47A/B/C, CH-54( ), T42A, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( )
AM-6279/ASW	Control Amplifier	CH-54B
AM-6280/ASW	Control Amplifier	CH-54B
AM-7105/A	Synchro Signal Amplifier	UH-60A, EH-60A
AM-7106/A	Elec Control Amplifier	UH-60A, EH-60A
AM-7189/ARC	RF Amplifier	OH-58D, AH-64A
AN/AAQ-11	Pilot Night Vision Sys	AH-64A
AN/AAS-14A	Infrared Detecting Set	OV-1C
AN/AAS-24	Infrared Detecting Set	OV-1D
AN/AAS-32	Airborne Laser Tracker Set	AH-1S
AN/ADR-6(V)	Aerial Radiac Set	OV-1D
AN/AJA-5	Propeller Synchrophaser Set	OV-1( ), RV-1D
AN/AKT-18	Radar Data Transmitting Set	OV-1B
AN/AKT-18A	Radar Data Transmitting Set	OV-1D
AN/AKT-18B	Radar Data Trasmitting Set	OV-1D
AN/ALQ-133	Countermeasures Receiving Set	RV-1D

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
AN/ALQ-136(V)1	Countermeasures Set	AH-1S, AH-64A
AN/ALQ-144(V)1	Countermeasures Set	EH-1X, UH-60A, EH-60A
AN/ALQ-144(V)3	Countermeasures Set	AH-1S, AH-64A
AN/ALQ-147A(V)1	Countermeasures Set	OV-1D
AN/ALQ-147A(V)2	Countermeasures Set	RV-1D
AN/ALQ-151	Countermeasures Set	EH-1X
AN/ALQ-151(V)2	Countermeasures Set	EH-60A
AN/ALQ-156	Countermeasures Set	CH-47C/D
AN/ALQ-162(V)2	Countermeasures Set	EH-60A
AN/ALR-46(V)	Radar Signal Detecting Set	OV-1D, RV-1D
AN/APN-22	Radar Altimeter Set	OV-1B/C
AN/APN-158( )	Weather Radar Set	U-8F, U-21A/G, RU-21( )
AN/APN-171A	Radar Altimeter Set	OV-1C/D, RV-1D
AN/APN-209( )(V)1	Radar Altimeter Set	AH-1S, OH-58C, EH-1X
AN/APN-209( )(V)2	Radar Altimeter Set	CH-47C/D, UH-1V, UH-60A, EH-60A
AN/APN-209B(V)3	Radar Altimeter Set	OH-58D
AN/APN-209B(V)4	Radar Altimeter Set	AH-64A
AN/APN-215(V)1	Weather Radar Set	U-21A/G, RU-21( )
AN/APR-39(V)1	Radar Signal Detecting Set	AH-1S, AH-64A, CH-47C/D, OH-58( ), RU-21( ), UH-1H, EH-1( ), UH-60A
AN/APR-39(V)2	Radar Signal Detecting Set	OV-1D, RV-1D, EH-60A
AN/APR-44(V)1	Radar Signal Detecting Set	EH-1( )

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
AN/APR-44(V)3	Radar Signal Detecting Set	OV-1D/ RV-1D, RU-21( )
AN/APS-94C	Radar Surveillance Set	OV-1B
AN/APS-94D	Radar Surveillance Set	OV-1D
AN/APS-94F	Radar Surveillance Set	OV-1D
AN/APX-72	Transponder Set	AH-1, CH-47A/B/C, CH-54( ), OH-6A, OH-58A, OV-1( ), RV-1D, T-42A, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( )
AN/ARA-50	Direction Finder Set	RU-21A/B/C
AN/ARC-51BX	UHF/AM Radio Set	AH-1( ), CH-47A/B/C, CH-54( ), OH-6A, OH-58A, OV-1( ), RV-1D, T-42A, U-8F, U-21A/G, RU-21A/B/C, EH-1H, UH-1( )
AN/ARC-54	VHF/FM Radio Set	AH-1( ), CH-47A/B/C, CH-54( ), OH-6A, OV-1B/C, U-8F, U-21A/G, RU-21( ), UH-1( )
AN/ARC-73( )	VHF-AM Radio Set	CH-47A/B, U-8F, UH-1( )
AN/ARC-102	HF-SSB Radio Set	CH-47( ), CH-54( ), OV-1( ), RV-1D, U-8F, U-21A/G, RU-21( ), UH-1( )
AN/ARC-111	VHF/AM Radio Set	OH-6A, T-42A
AN/ARC-114( )	VHF/FM Radio Set	AH-1S, OH-6A, OH-58A/C, OV-1D, RV-1D, UH-1( ), EH-1X, UH-60A
AN/ARC-115( )	VHF/AM Radio Set	AH-1S, OH-6A, OH-58A/C, OV-1D, RV-1D, UH-1( ), EH-1X, UH-60A
AN/ARC-116( )	UHF/AM Radio Set	AH-1S, OH-6A, OH-58A/C

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
AN/ARC-131	VHF-FM Radio Set	AH-1( ), CH-47A/B/C, CH-54( ), OH-6A, OV-1B/C, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1H
AN/ARC-134( )	VHF/AM Radio Set	AH-1( ), CH-47C, CH-54( ), OV-1B/C, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1H
AN/ARN-30E		CH-47A, OV-1B/C, T-42A, UH-1( )
AN/ARN-32	MB Receiving Set	
AN/ARN-52	TACAN Navigation Set	
AN/ARN-59	ADF Set	CH-47A, OV-1B/C, T-42A, UH-1( )
AN/ARN-82( )	VOR Receiving Set	CH-47A/B/C, CH-54( ), OV-C/D, RV-1D, U-21A/G, UH-1( ), EH-1H
AN/ARN-83	Direction Finder Set	AH-1( ), CH-47A/B/C, CH-54( ), OH-6A, OV-1C, U-21A/G, RU-21( ), UH-1( ), EH-1( )
AN/ARN-89B	Direction Finder Set	AH-1S, AH-64A, CH-47D, OH-6A, OH-58A/C, OV-1D, RV-1D, UH-60A, EH-60A
AN/ARN-102	TACAN Navigation Set	RU-21A/B/C
AN/ARN-103(V)1	TACAN Navigation Set	OV-1( ), RV-1D, U-21A/G, RU-21H, EH-1X
AN/ARN-123(V)1	VOR/MB/GS Receiving Set	CH-47D, OH-58C, T-42A
AN/ARN-123(V)3	VOR/MB/GS Receiving Set	AH-1S, EH-1X
AN/ARN-123(V)4	VOR/MB/GS Receiving Set	UH-60A, EH-60A
AN/ARN-124	DME Set	T-42A, UH-1V
AN/ARQ-33A	Countermeasures Set	EH-1H
AN/ART-41A	Data Link Transmitter	OV-1C

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCED (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
AN/ASH-19	Voice Warning Set	CH-54B
AN/ASH-23	Sound Recorder Set	CH-54B
AN/ASN-33	Navigation Computer Set	OV-1( ), RV-1D
AN/ASN-43( )	Gyromagnetic Compass Set	AH-1( ), CH-47( ), CH-54( ), OH-6A, OH-58A/C, T-42A, U-21A/G, RU-21( ), UH-1( ), EH-1( ), UH-60A, EH-60A
AN/ASN-64	Doppler Navigation Set	OV-1B/C
AN/ASN-76	Attitude Heading Set	OV-1( ), RV-1D
AN/ASN-86	Inertial Navigation Set	OV-1D, RV-1D, RU-21( ), EH-1X
AN/ASN-128	Doppler Navigation Set	AH-1S, AH-64A, CH-47D, UH-60A,
AN/ASN-132	Inertial Navigation Set	EH-60A
AN/ASN-137	Doppler Navigation Set	OH-58D
AN/ASN-143(V)3	Attitude Heading Reference System	OH-58D
AN/ASQ-170	Target Acq. Designation Sys	AH-64A
AN/ASW-12(V)2	Autopilot Set	OV-1( ), RV-1D
AN/ASW-29	Automatic Flight Control Sys	CH-54A
AN/AVR-2	Laser Detector Set	AH-64A
AN/AYA-10	Data Annotation System	OV-1D
AN/USQ-61	Digital Data Set	RV-1D
AN/USQ-61A	Digital Data Set	RV-1D
AS-580A/ARN	VOR/GS Antenna	U-21A/G, RU-21H
AS-1304/ARN	VOR Antenna	AH-1S, CH-47A/B/C, CH-54( ), OH-58C. UH-1( ), EH-1( )

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCED (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
AS-1703/AR	FM Comm Antenna	CH-47A/B/C, CH-54( ), OH-6A, OV-1B/C, U-8F, U-21A/G, UH-1( )
AS-1869/ARN	ADF Sense Antenna	CH-47( )
AS-1870/ARN	ADF Sense Antenna	CH-47A
AS-1922/ARC	FM Homing Antenna	CH-47( ), CH-54( ), U-21A/G, RU-21( ), UH-1( )
AS-2042/ARC	FM Homing Antenna	OV-1( ), RV-1D
AS-2285/ARC	FM Comm Antenna	AH-1( ), RU-21( )
AS-2485/ARC	FM Comm Antenna	OH-58( )
AS-2486/ARC	FM Homing Antenna(LH)	OH-58A/C
AS-2487/ARC	UHF Antenna	OH-58( )
AS-2670/ARC	FM Homing Antenna(RH)	OH-58A/C
AS-3188/ARN	GS Antenna	AH-1S, OH-58C, UH-1V
AS-3204/ARC	VHF Antenna	AH-1S
AS-3205/ARC	FM Homing Antenna	AH-1S
AS-3350/ARC	FM Homing Antenna(RH)	EH-1( )
AS-3351/ARC	FM Homing Antenna(LH)	EH-1( )
AS-3352/ARC	FM Antenna	EH-1H
AS-3522/A	FM Homing Antenna(LH)	UH-60A, EH-60A
AS-3523/A	FM Homing Antenna(RH)	UH-60A, EH-60A
AS-3524/A	UHF Antenna	UH-60A, EH-60A
AS-3525/A	MB Antenna	UH-60A, EH-60A
AS-3526/A	VOR Antenna	UH-60A, EH-60A
AS-3527/A	GS Antenna	UH-60A, EH-60A
AS-3528/A	IFF Antenna	UH-60A, EH-60A

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
AS-3595/ARC	Antenna	OH-58D
AT-134A/ARN	MB Antenna	OV-1( ), RV-1D
AT-256( )/ARC	UHF Antenna	AH-1S, CH-47D, RV-1D
AT-326/ARN	GS Antenna	CH-47D, CH-54( ), OV-1C, RV-1D
AT-450/ARC	Antenna	OV-1( ), RV-1D
AT-640( )/ARN	MB Antenna	AH-1S, CH-47( ), CH-54( ), OH-58C, T-42A, U-21A/G, RU-21( ), UH-1( ), EH-1( )
AT-740/A	Antenna	CH-47D
AT-741( )/A	Antenna	AH-1S, AH-64A, OH-58D, OV-1( ), RV-1D, U-8F, UH-1V, EH-1X
AT-884( )/APX	Antenna	AH-1( ), CH-54, OH-6A, OH-58A/C, T-42A, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( )
AT-1108/ARC	VHF/UHF Antenna	AH-1( ), CH-47A/B/C, CH-54( ), OV-1( ), RV-1D, T-42A, U-8F, U-21A/G, RU-21, UH-1( ), EH-1( )
BB-432/A	Battery	CH-47A/B/C, T-42A, U-8F
BB-432B/A	Battery	CH-47D
BB-433( )/A	Battery	OV-1( ), RV-1D, U-21A/G, RU-21A/H, UH-1( ), EH-1( )
BB-434( )/A	Battery	CH-54( )
BB-476/A	Battery	OH-58A/C
BB-641/A	Battery	OH-6A
BB-649( )/A	Battery	AH-1( )
BB-676/A	Battery	OH-58A/C
BB-678/A	Battery	OH-6A
BB-716/A	Battery	UH-60A, EH-60A

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
C-1611( )/AIC	Intercomm Control	AH-1( ), CH-47A/B/C, CH-54( ), OH-6A, OV-1B/C, T-42A, U-8F, U-21A/G, RU-21( ), UH-1B/C/H/M, EH-1H/X
C-4209/ARC	Control	CH-47A/B, UH-1( )
C-6347/ASN	Compass Control	AH-1S
C-6533/ARC	Intercomm Control	AH-1S, CH-47D, OH-6A, OH-58A/C, OV-1D, RV-1D, UH-1H, UH-60A, EH-60A
C-7266/ASW-29	Altitude Control	CH-54B
C-7267/ASW	Hydraulic Servovalue	CH-54A
C-7268/ASW	Hydraulic Servovalue	CH-54A
C-7269/ASW	Control-Monitor	CH-54A
C-8021A/ASN-75	Compass Control	CH-47D, UH-60A, EH-60A
C-8157/ARC	Control-Indicator	AH-1( ), AH-64A, CH-47( ), CH-54( ), OH-6A, OH-58A/C, OV-1D, RV-1D, U-8F, U-21A/G RU-21( ), UH-1( ), EH-1( ), UH-60A
C-8476/ASW	Follow-Up Control	CH-54B
C-8477/ASW	Monitor Control	CH-54B
C-8478/ASW	Engaging Control	CH-54B
C-9533/ARC-164	Control	OH-58D
C-10009/APX-100	Control	OH-58D
C-10414( )/ARC	Intercomm Control	AH-64A, OH-58D
C-10533/APX-100	Control	AH-1S
C-10604(V)3/ ARC-186	Control	OH-58D, UH-60A, EH-60A
C-10909/A	Flight Control Panel	UH-60A, EH-60A

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
C-10998/A	HSI/VSI Mode Select Panel	UH-60A, EH-60A
C-10999/A	CIS Mode Select Panel	UH-60A, EH-60A
C-11038/A	Retransmission Control	UH-60A, EH-60A
C-11188/ARC	Control	OH-58D
CM-482/ARC-186	FM Homing Unit	UH-60A, EH-60A
CM-492/ARC-186	FM Homing Unit	AH-64A, CH-47D, OH-58D
CN-405/ASN	Compensator	RU-21( ), EH-1X
CN-811( )/ASN	Displacement Gyro	CH-47( )
CN-1179/ASW	Displacement Gyro	CH-54A
CN-1314/A	Displacement Gyro	AH-1G, CH-54( ), UH-60A, EH-60A
CN-1325/ASW	Rate Gyro	CH-54B
CN-1497/A	Displacement Gyro	AH-1S
CN-1552/A	Rate Gyro	UH-60A, EH-60A
CN-1564/A	Rate Gyro	UH-60A, EH-60A
CP-1446/A	Computer	UH-60A, EH-60A
CP-1470/A	CIS Processor	UH-60A, EH-60A
CP-1516/ASQ	Peripheral Interface Unit	OH-58D
CU-865/ASN	Indicator-Coupler	OV-1B/C
CU-942( )/ARC	FM Antenna Coupler	CH-47A/B/C, CH-54( ), OV-1B/C, U-8F, U-21A/G, UH-1( )
CU-991/AR	HF Antenna Coupler	CH-47A/B/C, CH-54A, U-8F, UH-1( )
CU-1658( )/A	HF Antenna Coupler	CH-47C/D, CH-54( ), OV-1( ), RV-1D, U-8F, U-21A/G, RU-21( ), UH-1H
CU-1759/ARC	FM Antenna Coupler	OH-6A

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
CU-1794/ARC	FM Homing Transformer	OH-6A
CU-1796/ARC	FM Homing Network	OH-6A
CU-1893/ARC	FM Antenna Coupler	OH-6A
CU-1894/ARC	FM Antenna Coupler	OH-6A
CU-2239/ARC	FM Antenna Coupler	EH-1H
CU-2284/A	FM Antenna Coupler	UH-60A
CV-1275/ARN	Converter	CH-47A, T-42A, U-8F, UH-1( )
CV-2809/ASH-19	Signal Adapter	CH-54B
CV-3701/A	Power Converter	UH-60A, EH-60A
DT-173/AJN	Magnetic Azimuth Detector	OV-1( ), RV-1D
DY-86/ARN-30	Dynamotor	T-42A, UH-1( )
F-726/AR	Filter	T-42A
F-1521/A(LPF-40-2B)	FM Low Pass Filter	UH-60, EH-60A
F-1522/A	VHF Band Pass Filter	UH-60A, EH-60A
H-250/U	Handset	UH-60A, EH-60A
HD-769/ASW-29	Dehydrator Unit	CH-54B
ID-48/ARN	Course Indicator	AH-1( )
ID-250( )/ARN	Radio Magnetic Indicator	AH-1( ), CH-47A/B/C, CH-54( ), OV-1B/C, T-42A, U-8F, U-21A/G, RU-21H, UH-1( ), EH-1( )
ID-351B/ARN	Course Indicator	U-21A/G, RU-21( )
ID-387/ARN	Course Indicator	U-21A/G, RU-21( )
ID-663( )/U	BDH Indicator	OV-1( ), RV-1D, U-8F, EH-1X
ID-998/ASN	Radio Magnetic Indicator	AH-1( ), CH-47A/B/C, CH-54( ), T-42A, U-21A/G, RU-21A/H, UH-1( ), EH-1( )

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
ID-1347C/ARN	Course Indicator	T-42A, EH-1X
ID-1351/A	HRB Indicator	OH-6A, OH-58A
ID-1351( )/A	HRB Indicator	OH-58C
ID-1720/ASW	Stabilization Indicator	CH-54B
ID-2103/A	Horizontal Situation Indicator	AH-1S, CH-47D
ID-2104/A	Attitude Direction Indicator	AH-1S
ID-2105/A	Radio Magnetic Indicator	AH-1S
ID-2277( )/A	Vertical Situation Indicator	UH-60A, EH-60A
ID-2278( )/A	Horizontal Situation Indicator	UH-60A, EH-60A
ID-2279( )/A	Stabilator Indicator	UH-60A, EH-60A
IP-1080/AYA	Digital Indicator	OV-1D
J-2	Gyromagnetic Compass Set	CH-47A, UH-1( )
J-3766/A	Audio Interface Unit	UH-60A, EH-60A
KA-60C	Still Picture Camera	OV-1C/D
KIT-1A/TSEC	IFF Computer	AH-1( ), AH-64A, CH-47( ), CH-54( ), OH-6A, OH-58( ), OV-1( ), RV-1D, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( ), UH-60A, EH-60A
KS-61A	Photographic Surveillance System	OV-1B/C
KS-104A	Photographic Surveillance Sys	OV-1C
KS-104B	Photographic Surveillance Sys	OV-1C
KS-113A	Photographic Surveillance Sys	OV-1D
LR-80	Attitude Heading Reference Sys	AH-64A

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
MC-1	Rate Gyro	AH-1( ), U-21A/G, RU-21( ), UH-1( ), EH-1H
MD-1	Displacement Gyro	U-21A/G, RU-21, UH-1( ), EH-1( )
MD-736/A	Signal Discriminator	AH-1( ), CH-47A/B/C, CH-54( ), OV-1B/C, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( )
MD-1047/A	Audio Threshold Device	CH-47D, UH-1H
MD-1101/A	Audio Threshold Device	AH-1S, OH-58A/C
MT-1142/ARC	Mount (T-366)	CH-47A/B, T-42A, U-8F, UH-1( )
MT-1719/AR	Mount (CU-991)	CH-47A/B/C, CH-54A, U-8F, UH-1( )
MT-1995/A	Mount (SA-521)	OV-1( ), RV-1D, EH-1X
MT-2292/ARN	Mount (R-1041)	CH-47A/B/C, UH-1( ), EH-1H
MT-2417/ASN	Mount (CU-865)	OV-1B/C
MT-2530/A	Mount (AN/ART-41)	OV-1C
MT-2641/ARC	Mount (RT-698)	CH-47( )
MT-2659/ARN	Mount (CV-1275)	CH-47A, T-42A, U-8F, UH-1( )
MT-3513/APX	Mount (TX-1843)	AH-1( ), CH-47A/B/C, CH-54( ), OH-6A, OH-58A, OV-1( ), RV-1D, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( )
MT-3772A/A	Mount (CU-1658)	CH-47C/D, CH-54( ), OV-1( ), RV-1D, U-8F, U-21A/G, RU-21( ), UH-1H
MT-3802/ARC	Mount (KY-28/58	AH-1( ), AH-64A, CH-47( ), CH-54( ), OH-58A/C, OV-1( ), RV-1D, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( )
MT-3949/U	Mount (KIT-1A/TSEC)	AH-1( ). AH-64A, CH-47( ), CH-54( ), OH-6A, OH-58( ). OV-1( ), RV-1D, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( ), UH-60A, EH-60A

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
MT-4811/APX-100	Mount (RT-1157)	AH-1S, OH-58D
MT-4835/ARN	Mount (R-1963)	CH-54( ), OV-1D, RV-1D, U-21A/G, RU-21( ), UH-1V
MT-4838/ARC-164	Mount (RT-1145)	OH-58D
MT-6051/ARC-186	Mount (RT-1300)	OH-58D, UH-60A, EH-60A
MT-6226/A	Mount (CP-1470)	UH-60A, EH-60A
MT-6227/A	Vibration Tray (CP-1446/A)	UH-60A, EH-60A
MX-1646/AIC	Headset Adapter	TH-55A, U-8F
MX-8611/ASW	Accelerometer	CH-54B
OK-279/A	Voltage Controller Group	OV-1D, RV-1D
PP-2792/ARN-30	Power Supply	CH-47A/B
PP-6376/A	Static Inverter	OH-58A/C, OH-6A
PP-6508/U	Static Inverter	AH-1G
PP-6674/A	Static Inverter	OH-6A
PP-7274( )/A	Static Inverter	AH-1S
PP-7618/A	Power Supply (5V)	CH-47C, UH-1V
PP-7723/A	Battery Charger	UH-60A, EH-60A
PU-542( )/A	Inverter	T-42A
PU-543( )/A	Inverter	AH-1( ), CH-54( ), U-8F, UH-1( ), EH-1( )
PU-544( )/A	Inverter	OV-1( ), RV-1D, U-8F, RU-21H
PU-545( )/A	Inverter	OV-1( ), RV-1D
PU-750( )/A	Inverter	OV-1D, RV-1D
R-844( )/ARN-58	MB/GS Receiver	OV-1( ), RV-1D, T-42A
R-1041( )/ARN	MB Receiving Set	CH-47A/B/C, UH-1( ), EH-1H

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
R-1963/ARN	MB/GS Receiving Set	CH-54( ), OV-1D, RV-1D, U-21A/G, RU-21( ), UH-1V
RT-1145F/ARC-164	UHF Receiver-Transmitter	OH-58D
RT-1157( )/APX-100	Transponder	AH-1S, OH-58D
RT-1167( )/ARC-164	UHF/AM Radio Set	AH-1S, AH-64A, CH-47C/D, OH-6A, OH-58A/C, OV-1D, RV-1D, RU-21H, EH-1X, UH-60A, EH-60A
RT-1285( )/APX-100	Transponder	CH-47D, OH-58C
RT-1296( )/APX-100	Transponder	AH-64A, UH-60A, EH-60A
RT-1300( )/ARC-186	VHF/AM-FM Receiver Transmitter	OH-58D, UH-60A, EH-60A
RT-1354( )/ARC-186	VHF/AM-FM Radio Set	AH-1S, AH-64A, CH-47D, OH-6A, OH-58A/C, UH-1( ), EH-1X, UH-60A
RT-1471/APX	Transponder	OH-58D
SA-521/A	Antenna Transfer Switch	OV-1( ), RV-1D, EH-1X
SA-2357/A	Switch Assembly	EH-1X
SN-410/ASW-29	Transmitter Synchro	CH-54B
SN-441/ASW	Transmitter Synchro	CH-54B
SN-442/ASW	Synchronizer	CH-54B
T-366( )/ARC	VHF-AM Transmitter	CH-47A/B, T-42A, U-8F, UH-1( )
T-611/ASN	Compass Transmitter	RU-21( ), EH-1X
T-992/A	True Airspeed Transmitter	OV-1D, RV-1D, RU-21H
TD-1136/A	Tunable Diplexer	EH-1X
TR-253/AYA	Altitude Transducer	OV-1D
TR-322/A	Air Data Transducer	UH-60A, EH-60A

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
TR-323/A	Air Speed Transducer	UH-60A, EH-60A
TR-326/A	Linear Servo Accelerometer	UH-60A, EH-60A
TRU-2A/A	Rate Gyro	AH-1S, UH-60A, EH-60A
TS-1843( )/APX	Test Set	AH-1( ), CH-47A/B/C, CH-54( ), OH-6A, OV-1( ), RV-1D, U-8F U-21A/G, RU-21( ), UH-1( ), EH-1( )
TSEC/KY-28/58	Comm Security Set	AH-1( ), AH-64A, CH-47( ), CH-54( ), OH-6A, OH-58A/C, OV-1D, U-8F, U-21A/G, RU-21( ), UH-1( ), EH-1( ), UH-60A, RV-1D
TSEC/KY-75	Comm Security Set	OH-58D
Z-AHP	Remote Control Unit	AH-1( ), CH-47( ), OH-58A/C, OV-1D, RV-1D, UH-1( ), EH-1( ), UH-60A
Z-AHQ	Interface Adapter	AH-1( ), CH-47( ), OH-58A/C, OV-1D, RV-1d, UH-1( ), EH-1( ), UH-60A
Z-AKM	Mount (KY-75)	OH-58D
A-25A	VHF Antenna	TH-55A
A-138	VOR Antenna	T-42A
BPF40-03P	VHF Band Pass Filter	AH-1S, CH-47D, OH-58A/C
C-14	Gyromagnetic Compass Set	T-42A
EE2282	Battery	AH-64A
E551-11220-6	Battery	RU-21B/C
FM 10-30-1	FM Antenna	UH-1( ), EH-1X
G-4582	Control	T-42A
H-14	Auto Flight Control Sys	RU-21A/B/C
HPF40-01T	UHF High Pass Filter	AH-1S, CH-47D, OH-58A/C

TYPE	NOMENCLATURE	AIRCRAFT
LPF40-02B	FM Low Pass Filter	AH-1S, CH-47D, OH-58A/C, UH-60A
MGH229-100	Inverter	RU-21A/B/C
S1545-65273-1	Performance Indicator	CH-54B
S1660-60036-1	Mount (KY-28)	UH-60A, EH-60A
S65-8280-30	VHF-AM/FM Antenna	CH-47D
VHF-20( )	VHF/AM Radio Set	T-42A
VT-10-02	VOR/GS Antenna	RU-21A/B/C
YG-1054D1	Proximity Warning System	AH-1( ), CH-47B/C, OH-58A/C, UH-1( )
114E2186-( )	Speed Trim Amplifier	CH-47A/B/C
114E3030-( )	SAS Amplifier	CH-47A/B/C
114E3058-( )	Interphone Junction Box	CH-47A
114E3060-( )	Interphone Junction Box	CH-47B/C
114E3094-( )	HF Antenna	CH-47( )
1193D64	Mount (LA-412A)	OV-1D
12-GCAB-9E	Battery	TH-55A
134AV25508-1	MB Antenna	OV-1( ), RV-1D
134AV25518-1	Sense Antenna	OV-1( ), RV-1D
134AV35003-1	GS Antenna	OV-1B/C
134AV45511-1	HF Antenna	OV-1( ), RV-1D
134CS30103-1	VOR Antenna	OV-1( ), RV-1D
134SCAV247	FM Comm Antenna	OV-1D, RV-1d
134SCAV260-1	Data Antenna	RV-1D
137X-1	VOR Antenna	CH-47C/D
145E3118-( )	Interphone Junction Box	CH-47D

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
145ES014-1	Battery Charger	CH-47D
1908-01	Lightning Arrestor	OV-1( ), RV-1D
204-075-328-1	ADF Sense Antenna	UH-1B/C/M
205-075-325-1	ADF Sense Antenna	UH-1H, EH-1( )
205-706-027-1	HF Antenna	UH-1( )
206-032-310-3	ADF Sense Antenna	OH-58A/C
206-075-483-1	Impedance Matching Network	OH-58A/C
206-075-518-1	VHF AM/FM Antenna	OH-58A/C
206-075-716-1	Course Indicator	OH-58C
205-077-109-1	IFF Antenna	OH-58C
209-030-133-7	Sense Antenna	AH-1( )
209-074-070-3	Control Panel	AH-1S
209-074-080-103	Sensor Amplifier	AH-1S
209-074-084-1	Control Panel	AH-1S
209-074-092-1	Armament Compensator	AH-1S
209-075-292-1	FM Homing Antenna	AH-1( )
209-077-081-3	HSI Display Control Panel	AH-1S
209-077-081-5	HSI Display Control Panel	AH-1S
209-077-202-3	FM Comm Antenna	AH-1S
339D-1	Distance Indicator	U-21A/G, RU-21( )
369A4554	Static Inverter	OH-6A
369A6471	Mount (KY-28)	OH-6A
369A6472	Mount (KIT-1A)	OH-6A
406-947-307	Control/Display System	OH-58D

AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
406-947-310	Attitude Heading Ref Sys	OH-58D
406-074-015-101	Power Supply	OH-58D
406-075-802-101	Static Inverter	OH-58D
406-075-806-101	Battery	OH-58D
406-075-807-101	Battery Charger	OH-58D
406-077-109-101	HF Antenna	OH-58D
406-077-801-101	Audio Distribution Unit	OH-58D
406-077-802-101	Transducer	OH-58D
406-077-805-101	FM Antenna Coupler	OH-58D
406-077-817-101	Comm/Homing Antenna	OH-58D
406-077-822-101	VHF/FM Band Pass Filter	OH-58D
406-577-010-101	AM/FM Com Antenna	OH-58D
50-345611	ADF Sense Antenna	U-21A/G
50-345615-60-1	HF Antenna	RU-21A/B/C
50-345764-1	Inverter	U-21A, RU-21A/B/C
50-345764-2	Inverter	U-21A, RU-21A/B/C
50-345764-5	Inverter	U-21G, RU-21H
50-345764-6	Inverter	U-21G, RU-21H
50-345812	ADF Sense Antenna	U-21A/G, RU-21( )
50-345974	Radio Magnetic Indicator	RU-21B/C
50-346063-2	HF Antenna	U-21A/G
524A	VHF/AM Radio Set	TH-55A
5065792-1	Power Sensor	OH-58D
56B3C	Temperature Sensor	OH-58D

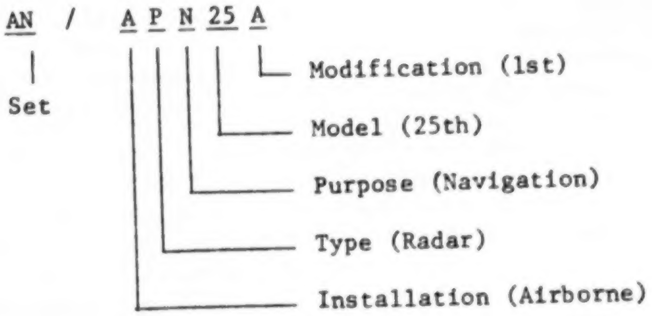
AIRCRAFT AVIONICS INSTALLATION CROSS REFERENCE (Cont'd)

TYPE	NOMENCLATURE	AIRCRAFT
570-074-010-11	Sensor Amplifier	AH-1( )
570-074-060-1	Control Panel	AH-1( )
570-074-131-3	Pylon Compensator	AH-1( )
570-074-315-3	Rate Gyro Sensor	AH-1S
6460-65001-011	HF Antenna	CH-54( )
6460-65010-041	ADF Sense Antenna	CH-54( )
6490-60240-013	Interphone Junction Box	CH-54( )
6490-60500-041	Cruise Guide Amplifier	CH-54B
70400-06712-042	Stabilator Position Sensor	UH-60A, EH-60A
70600-01010-104	#2 FM Antenna Coupler	UH-60A, EH-60A
70600-01011-113	FM Low Pass Filter	UH-60A, EH-60A
70600-01019-104	AM/FM Sense Antenna	UH-60A, EH-60A
70600-06001-103	Troop Cmdr Antenna	UH-60A, EH-60A
70600-06002-105	FM Comm Antenna	UH-60A, EH-60A
70901-02002-106	Stick Position Sensor	UH-60A, EH-60A
8001671-901	Indicator Ass'y	OH-58D
8500056	Keyboard Ass'y	OH-58D
8500088-901	Controller Processor Unit	OH-58D
8500233-901	Remote Freq. Display	OH-58D
9000F	Displacement Gyro	CH-47( )
91-340045-1	HF Antenna	U-21A/G, RU-21H

APPENDIX F

EQUIPMENT INDICATOR LETTERS

This appendix contains tables of the indicators used when assigning nomenclature to electronics equipment under the Joint Electronics Type Designation System (JETDS). Examples of assignment under this system are listed below: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Set
Modification (1st)
Model (25th)
Purpose (Navigation)
Type (Radar)
Installation (Airborne)

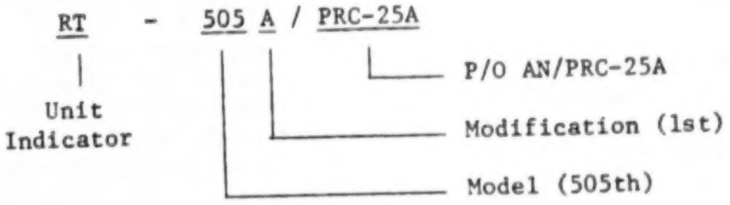
RT - 505 A / PRC-25A
Unit Indicator
P/O AN/PRC-25A
Modification (1st)
Model (505th)

TABLE I

EQUIPMENT INDICATORS

INSTALLATION

A	Piloted aircraft
B	Underwater mobile, submarine
D	Pilotless carrier
F	Fixed ground
G	General ground use
K	Amphibious
M	Mobile (ground)
P	Portable
S	Water
T	Transportable (ground)
U	General utility
V	Vehicular (ground)
W	Water surface and underwater comb.
Z	Piloted-pilotless airborne vehicle combination

TYPE

A	Invisible light, heat radiation
C	Carrier
D	Radiac
G	Telegraph or teletype
I	Interphone and public address
J	Electromechanical or inertial wire covered
K	Telemetering
L	Countermeasures
M	Meteorological
N	Sound in air
P	Radar
Q	Sonar and underwater sound
R	Radio
S	Special or combinations of types
T	Telephone (wire)
V	Visual and visible light
W	Armament
X	Facsimile or television
Y	Data Processing

PURPOSE

A	Auxiliary Assembly
B	Bombing
C	Communications
D	Direction finder, reconnaissance and/or surveillance
E	Ejection and/or release
G	Fire control or searchlight directing
H	Recording and/or reproducing
K	Computing
M	Maintenance and/or test assemblies
N	Navigational aids
Q	Special or combination of purposes
R	Receiving, passive detecting
S	Detecting and/or range and bearing, search
T	Transmitting
W	Automatic flight or remote control
X	Identification and recognition

TABLE II

GROUP INDICATORS

GROUP IND.	FAMILY NAME	EXAMPLE OF USE
OA	Miscellaneous groups	Groups not otherwise classified
OB	Multiplexer and/or demultiplexer groups	Multiplexer groups, demultiplexer groups, composites thereof
OD	Indicator groups	All types
OE	Antenna groups	All types
OF	Adapter groups	All types
OG	Amplifier groups	All types
OH	Simulator groups	All types
OJ	Console and console groups	All types
OK	Control groups	All types
OL	Data analysis and data processing groups	All types
OM	Modulator and/or demodulator groups	Modulator groups, demodulator groups, composites thereof
ON	Interconnecting groups	All types
OP	Power supply groups	All types
OQ	Test set groups	All types
OR	Receiver groups	All types
OT	Transmitter groups	All types
OU	Converter groups	All types
OV	Generator groups	All types
OW	Terminal groups	All types
OX	Coder, decoder, interrogator, transponder groups	All types
OY	Radar set groups	Do not use if a more specific indicator, such as OE, OR, OT applies
OZ	Radio set groups	Do not use if a more specific indicator, such as OE, OR, OT applies

TABLE III

UNIT INDICATORS

UNIT IND.	FAMILY NAME	EXAMPLE OF USE
AB	Supports, antenna	Antenna mounts, mast bases, mast sections, towers
AM	Amplifier	Power, audio, interphone, RF, video, electronic control
AS	Antennas, simple and complex	Arrays, parabolic, masthead, whip, dipole, reflector
BA	Battery, primary type	B batteries, battery packs
BB	Battery, secondary type	Storage batteries, battery packs
BZ	Alarm units	All types
C	Controls	Control box, remote tuning control
CG	Cable assemblies, RF	RF cables, waveguides, transmission lines, terminals
CM	Comparators	Compares two or more input signals
CN	Compensators	Electrical and/or mechanical compensating, regulating or attenuating apparatus
CP	Computers	Mechanical and/or electronic mathematical calculating devices
CU	Couplers	Impedance coupling devices, directional couplers
CV	Converters (electronic)	Electronic apparatus for changing the phase, freq, or from "one" medium to "another"
CW	Radomes	Radomes
CX	Cable assemblies, non RF	Non RF cables w/terminals, test leads, also composite cables of RF and non RF cond.
CY	Cases and cabinets	Rigid and semirigid structures for enclosing or carrying equip
D	Dispensers	Chaff
DA	Load, dummy	RF and non RF test loads
DT	Detecting heads	Magnetic pickup device, search coil, hydrophone
F	Filter units	Electronic types; band-pass, low pass, band suppression, noise, telephone, filter networks; excludes non-reparable types

UNIT INDICATORS (Cont'd)

UNIT IND.	FAMILY NAME	EXAMPLE OF USE
FR	Freq measuring devices	Freq meters, tuned cavity
G	Generators, power	Electrical power w/o prime movers
H	Head, hand, chest sets	Includes earphone
HD	Environmental apparatus	Heating, cooling, dehumidifying, pressure, vacuum devices
ID	Indicator units, non-cathode-ray tube	Calibrated dials and meters, indicating lights
IM	Intensity measuring devices	Includes SWR gear, field intensity and noise meters, slotted lines
IP	Indicator units, cathode-ray tube	Azimuth, elevation, panoramic
J	Interface units	Interconnecting and junction units
KY	Keying devices	Mechanical, electrical and electronic keyer, coder, interrupters
LS	Loudspeakers	Separately housed loudspeakers, intercommunication stations
M	Microphones	Radio, telephone, throat, hand
MD	Modulators, demodulators, discriminators	Device for varying amplitude, freq or phase
ME	Meters	Multimeters, volt-ohm-milliammeters, vacuum tube voltmeters, power meters
MK	Miscellaneous kits	Maintenance, modification
ML	Meteorological devices	Miscellaneous meteorological equip
MT	Mountings	Mountings, racks, frames, stands
MX	Miscellaneous	Equip not otherwise classified
MU	Memory units	Memory units
O	Oscillators	Master freq, blocking, multivibrators (for test oscillators, see SG)
OS	Oscilloscope, test	Test oscilloscope for general test purposes
PL	Plug-in units	Plug-in unit not otherwise classified
PP	Power supplies	Nonrotating machine type such as vibrator pack, rectifier, thermoelectric
PT	Mapping and plotting units	Electronic types only
PU	Power equipments	Rotating power equip, motor generator, dynamotors
R	Receivers	Receivers, all types except telephone
RD	Recorder-reproducer	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical

UNIT INDICATORS (Cont'd)

UNIT IND.	FAMILY NAME	EXAMPLE OF USE
RE	Relay assembly units	Electrical, electronic
RL	Reeling machine	Mechanism for dispensing and rewinding antenna or field wire, cable
RO	Recorders	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical and card punch
RP	Reproducers	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, punched tape and card readers
RR	Reflectors	Target, confusion. Except antenna reflectors
RT	Receiver-Transmitter	Radio and radar transceiver, composite transmitter and receiver
S	Shelters	Protective shelters
SA	Switching units	Manual, impact, motor driven, pressure operated, electronic
SB	Switchboards	Telephone, fire control, power, power distribution
SG	Generator, signal	Test oscillators, noise generators
SM	Simulators	Flight, aircraft, target, signal
SN	Synchronizers	Equip to coordinate two or more functions
SU	Optical units	Electro-optical units, such as night vision, auto-collimator, scope, sight viewer, tracker, alignment equip
T	Transmitters	Transmitters, all types, except telephone
TA	Telephone apparatus	Misc telephone equipment
TB	Towed body	Hydrodynamic enclosures used to house transducers, hydrophones, and other electronic equipment
TD	Timing devices	Mechanical and elec timing devices, range devices, multiplexers, electronic gates
TF	Transformers	When used as separate units
TG	Positioning devices	Tilt and/or train assys
TH	Telegraph apparatus	Misc telegraph apparatus
TN	Tuning units	Receiver, transmitter, antenna, tuning units
TR	Transducers	Sonar transducers, vibration pickups
TS	Test units	Test and measuring equip not otherwise classified

UNIT INDICATORS (Cont'd)

UNIT IND.	FAMILY NAME	EXAMPLE OF USE
TT	Teletypewriter and facsimile apparatus	Miscellaneous tape, teletype, facsimile equipment
TW	Tape units	Preprogrammed with operational test and checkout data
V	Vehicles	Carts, dollies, vans, peculiar to electronic equipment
ZM	Impedance measuring devices	Used for measuring Q, C, L, R or PF

TABLE IV

MISCELLANEOUS IDENTIFICATIONS

X,Y,Z -------- Changes in voltage, phase or frequency, e.g., AN/VRC-51X
T ------------ Training, e.g., AN/APQ-13-T1, AN/APQ-T1
(V) ---------- Equipments having a variable complement, e.g., AN/FRC-39(V), OA-7667(V)/FYQ-41(V)
(P) ---------- Unit accepting plug-ins, e.g., R-1329(P)/GRC-103(V)
(X) ---------- Developmental indicators, e.g., AN/PRC-10(X--), RT-505(X--)/PRC-10
( ) ---------- Developmental or series "generic" assignment, e.g., AN/PRC-10( ), RT-505( )/PRC-10
(-ft-in) ----- Identical items w/varying lengths, e.g., CX-1076/U(-ft-in)

APPENDIX G

TMDE REPLACEMENT GUIDE

This appendix contains an alphanumeric listing of replaced TMDE cross referenced to the replacement item. Commercial items are listed by manufacturer's part number following the military designated items. A ( ) following the replaced item indicates all models of that type.

Replaced Item	*Replaced NSN*	*Replacement Item*	*Replacement NSN*
AN/GRM–114	6625–01–108–6206	AN/GRM–114A	6625–01–144–4481
AN/GRM–50	6625–00–868–8353	SG–1144/U	6625–01–075–8478
	6625–00–003–3238		
AN/GSM–64	6625–00–870–2264	AN/GSM–64C	6625–01–124–0834
	6625–00–165–5779		
	6625–00–022–7894		
AN/PPM–1	6625–00–503–0661	SG–1205/U	6625–01–137–5369
AN/PRM–15	6625–00–519–0112	AN/PSM–45	6625–01–139–2512
AN/PSM–4( )	6625–00–500–2738	AN/PSM–45	6625–01–139–2512
	6615–00–643–1668		
	6625–00–585–9795		
	6625–00–893–3779		
	6625–00–073–2227		
	6625–00–879–0206		
	6625–00–431–8729		
	6625–00–248–2052		
AN/PSM–6	6625–00–643–1686	AN/PSM–45	6625–01–139–2512
	6625–00–656–5871		
	6625–00–957–4374		
AN/TSM–16	6625–00–542–1666	AN/USM–459	6625–01–061–8928
AN/UPM–110	6625–00–720–2495	AN/USM–489(V)	6625–01–079–9495
AN/UPM–15( )	6625–00–643–5969	SG–1205/U	6625–01–137–5369
	6625–00–682–2581		
AN/UPM–33	6625–00–699–0089	AN/USM–489(V)	6625–01–079–9495
	6625–00–539–8587		
AN/UPM–58	6625–00–523–8576	AN/USM–489(V)	6625–01–079–9495
AN/UPM–84	6625–00–557–8262	AN/USM–489(V)	6625–01–079–9495
	6625–00–411–3072		
AN/URM–25( )	6625–00–580–7923	SG–1144/U	6625–01–075–8478
	6625–00–643–1548		
	6625–00–934–8732		
	6625–00–775–1874		
AN/URM–26	6625–00–355–5324	SG–1170/U	6625–01–120–3501
	6625–00–643–1541		
	6625–00–557–0523		
	6625–00–491–1132		
AN/URM–44	6625–00–643–2811	AN/URM–206	6625–01–077–8503
	6625–00–990–7700		
AN/URM–52( )	6625–00–556–8107	SG–1219/U	6625–01–188–7441
	6625–00–592–5742		
	6625–00–965–1501		
AN/URM–61A	6625–00–519–2056	SG–1219/U	6625–01–188–7441
AN/URM–70	6625–00–519–2104	SG–1170/U	6625–01–120–3501

Replaced Item	*Replaced NSN*	*Replacement Item*	*Replacement NSN*
AN/URM–79	6625–00–668–9749	AN/USM–459	6625–01–061–8928
AN/URM–80	6625–00–649–4286	AN/USM–459	6625–01–061–8928
AN/URM–81	6625–00–539–9910	AN/USM–459	6625–01–061–8928
AN/URM–85( )	6625–00–776–0595	AN/URM–200	6625–01–083–9446
AN/URM–105( )	6625–00–581–2036 6625–00–884–1758 6625–00–999–6282	AN/PSM–45	6625–01–139–2512
AN/URM–134A	6625–00–987–9805	AN/USM–489(V)	6625–01–079–9495
AN/URM–170	6625–00–883–3256	SG–1219/U	6625–01–188–7441
AN/URM–178	6625–00–813–9885	AN/URM–200	6625–01–083–9446
AN/URM–181	6625–00–983–6712	SG–1170/U	6625–01–120–3501
AN/URM–182	6625–00–148–9371 6625–01–062–3599	AN/PRM–34	6625–01–074–5646
AN/USM–24	6625–00–668–9460	AN/USM–488	6625–01–187–7847
AN/USM–26( )	6625–00–542–0707 6625–00–543–1356	AN/USM–459	6625–01–061–8928
AN/USM–32	6625–00–519–1954	AN/USM–488	6625–01–187–7847
AN/USM–33T	N/A	AN/USM–486	6625–01–145–2430
AN/USM–44( )	6625–00–669–4031 6625–00–539–9685 6625–00–176–5708 6625–00–138–7773	SG–1170/U	6625–01–120–3501
AN/USM–47	6625–00–555–2263	SG–1219/U	6625–01–188–7441
AN/USM–50( )	6625–00–343–8191 6625–00–649–4978 6625–00–532–4288 6625–00–892–6065	AN/USM–488	6625–01–187–7847
AN/USM–89( )	6625–00–752–7958 6625–00–819–5911	AN/USM–488	6625–01–187–7847
AN/USM–105A	6625–00–785–6500	AN/USM–488	6625–01–187–7847
AN/USM–117( )	6625–00–787–0304 6625–00–902–3330	AN/USM–488	6625–01–187–7847
AN/USM–134A	N/A	AN/USM–489	6625–01–079–9495
AN/USM–140	6625–00–987–6603	AN/USM–488	6625–01–187–7847
AN/USM–151	6625–00–892–4401	AN/USM–488	6625–01–187–7847
AN/USM–182( )	6625–00–952–3979 6625–00–133–1169	AN/USM–488	6625–01–187–7847
AN/USM–184	6625–00–895–2711	AN/USM–488	6625–01–187–7847
AN/USM–205( )	6625–00–788–9672 6625–01–007–4796	SG–1171/U	6625–01–133–6160
AN/USM–207( )	6625–00–911–6368 6625–00–044–3228	AN/USM–459	6625–01–061–8928
AN/USM–223	6625–00–999–7465	AN/PSM–65	6625–01–139–2512
AN/USM–254	6625–00–069–5477	AN/USM–488	6625–01–187–7847
AN/USM–281( )	6625–00–053–3112 6625–00–228–2201 6625–00–427–4514 6625–00–106–9622 6625–00–106–7497 6625–00–134–1407	AN/USM–488	6625–01–187–7847

Replaced Item	*Replaced NSN*	*Replacement Item*	*Replacement NSN*
AN/USM–296	6625–00–127–4903	AN/USM–488	6625–01–187–7847
AN/USM–303( )	6625–00–933–2406	AN/USM–486	6625–01–145–2430
	6625–00–168–0585		
AN/USM–309(V)( )	6625–01–121–6328	AN/USM–488	6625–01–187–7847
	6625–00–160–0854		
AN/USM–313	6625–00–777–1384	SG–1170/U	6625–01–120–3501
AN/USM–366(V)	6625–00–494–2937	AN/USM–489(V)	6625–01–079–9495
AN/USM–451	6625–01–060–6804	AN/PSM–45	6625–01–139–2512
AN/USM–504	6625–00–679–0399	AN/USM–488	6625–01–187–7847
CM–77A	6625–00–080–7204	TD–1225A(V)2/U	6625–01–121–6934
CP–772( )/U	6625–00–973–4837	AN/USM–459	6625–01–061–8928
	6625–00–973–4837		
CP–1033/U	6625–00–407–0762	AN/USM–459	6625–01–061–8928
FR–40/GSM–1	N/A	AN/USM–459	6625–01–061–8928
FR–114	6625–00–542–1667	AN/USM–459	6625–01–061–8928
FR–205	6625–00–832–9047	AN/USM–490	6625–01–138–3351
FR–208	6625–00–327–2349	AN/USM–459	6625–01–061–8928
FR–209	N/A	AN/USM–490	6625–01–138–3351
FR–210	N/A	AN/USM–490	6625–01–138–3351
FR–211	N/A	AN/USM–490	6625–01–138–3351
FR–38( )/U	6625–00–605–7189	AN/USM–459	6625–01–061–8928
	6625–00–810–9051		
	6625–00–605–7189		
IP–1216(P)/GR	6625–00–424–4370	AN/USM–489(V)	6625–01–079–9495
IP–173( )/U	6625–00–224–5500	AN/USM–489(V)	6625–01–079–9495
	6625–00–699–8116		
	6625–00–660–9930		
	6625–00–981–9520		
ME–26( )/U	6625–00–544–8691	AN/USM–486	6625–01–145–2430
	6625–00–360–2493		
	6625–00–646–9409		
	6625–00–544–8191		
	6625–00–913–9781		
ME–30( )/U	6625–00–376–4921	AN/USM–486	6625–01–145–2430
	6625–00–643–1670		
	6625–00–580–5298		
	6625–00–818–2360		
	6625–00–643–1670		
	6625–00–420–9345		
ME–227( )/U	6625–00–555–2312	AN/USM–486	6625–01–145–2430
	6625–00–160–0622		
ME–262	6625–00–739–1192	AN/USM–486	6625–01–145–2430
ME–295/U	6625–00–017–8669	AN/USM–490	6625–01–138–3351
ME–303A	6625–00–969–4105	AN/USM–486	6625–01–145–2430
ME–378/U	6625–00–197–6383	AN/USM–490	6625–01–138–3351
ME–450/U	6625–00–149–6300	AN/PSM–45	6625–01–139–2512
ME–451	6625–00–137–0102	AN/USM–490	6625–01–138–3351
OS–8( )/U	6625–00–643–1740	AN/USM–488	6625–01–187–7847
	6625–00–643–1719		

Replaced Item	*Replaced NSN*	*Replacement Item*	*Replacement NSN*
	6625–00–026–9414		
	6625–00–649–9284		
	6625–00–738–6175		
	6625–00–432–1417		
OS–16/A	6625–00–224–5458	AN/USM–488	**6625–01–187–7847**
OS–26	6625–00–352–0028	AN/USM–488	**6625–01–187–7847**
OS–110/U	6625–00–948–1701	AN/USM–488	**6625–01–187–7847**
OS–121A	6625–00–071–0787	AN/USM–488	**6625–01–187–7847**
OS–123/U	6625–00–981–0898	OS–261C	**6625–01–119–7314**
OS–132/SPA	6625–00–825–0179	AN/USM–488	**6625–01–187–7847**
OS–189A	6625–00–437–1833	AN/USM–488	**6625–01–187–7847**
OS–193(P)/U	6625–00–957–0509	AN/USM–488	**6625–01–187–7847**
OS–215(P)/U	6625–00–449–7652	AN/USM–488	**6625–01–187–7847**
OS–219(P)/U	6625–00–459–3391	AN/USM–488	**6625–01–187–7847**
OS–233(P)/U	6625–00–789–2201	AN/USM–488	**6625–01–187–7847**
OS–242/U	6625–00–953–7832	AN/USM–488	**6625–01–187–7848**
OS–261( )/U	6625–00–127–0079	OS–261C/U	**6625–01–119–7314**
	6625–01–066–4511		
	6625–01–101–1318		
SG–15( )/PCM	6625–00–229–1087	SG–1171/U	**6625–01–133–6160**
	6625–00–649–5194		
SG–69/PPM–1	6625–00–545–7953	SG–1205	**6625–01–137–5369**
SG–298( )/U	6625–00–843–0971	SG–1171/U	**6625–01–133–6160**
	6625–00–997–2471		
SG–299( )/U	6625–00–624–3516	SG–1171/U	**6625–01–133–6160**
	6625–00–808–5584		
SG–321( )/U	6625–00–674–7097	SG–1171/U	**6625–01–133–6160**
	6625–00–880–5791		
	6625–00–935–6924		
SG–557/U	6625–00–914–4127	SG–1219/U	**6625–01–188–7441**
SG–632( )/U	6625–00–493–3023	SG–1171/U	**6625–01–133–6160**
	6625–00–933–7840		
SG–676/U	6625–00–914–9882	SG–1219/U	**6625–01–188–7441**
SG–747/U	6625–00–118–6736	SG–1171/U	**6625–01–133–6160**
SG–763–( )/U	6625–00–054–3483	SG–1171/U	**6625–01–133–6160**
	6625–00–165–1261		
SG–944/U	6625–00–107–8173	AN/URM–206	**6625–01–077–8503**
SG–969/U	6625–00–400–8228	SG–1170/U	**6625–01–120–3501**
SG–975/U	6625–00–089–6697	SG–1170/U	**6625–01–120–3501**
TD–1225( )(V)1/U	6625–00–498–8946	TD–1225A(V)2/U	**6625–01–121–6934**
	6625–01–103–2958		
SG–1038/U	6625–00–411–4558	SG–1170/U	**6625–01–120–3501**
SG–1128	6625–00–450–7590	SG–1171/U	**6625–01–133–6160**
SG–1174/U	6625–01–075–8479	SG–1219/U	**6625–01–188–7441**
TS–148/U	6625–00–166–1040	AN/USM–489(V)	**6625–01–079–9495**
TS–155( )/UP	6625–00–192–5085	SG–1219/U	**6625–01–188–7441**
	6625–00–338–3813		
	6625–00–649–5257		

Replaced Item	*Replaced NSN*	*Replacement Item*	*Replacement NSN*
TS–297/U	6625–00–498–3677	AN/PSM–45	6625–01–139–2512
TS–340/U	6625–00–643–0624	AN/USM–486	6625–01–145–2430
TS–352( )U	6625–00–242–5023 6625–00–553–0142	AN/PSM–45	6625–01–139–2512
TS–403( )/U	6625–00–650–6363 6625–00–620–4371	SG–1219/U	6625–01–188–7441
TS–497( )/U	6625–00–669–0258 6625–00–643–3508 6625–00–812–2898 6625–00–684–5203	SG–1170/U	6625–01–120–3501
TS–505( )/U	6625–00–243–0562 6625–00–504–2620 6625–00–553–0841 6625–00–581–8347 6625–00–878–0220	AN/USM–486	6625–01–145–2430
TS–510A/U	6625–00–973–6546	SG–1170/U	6625–01–120–3501
TS–592A/UPM–15	6625–00–519–7600	SG–1205(V)1/U	6625–01–137–5369
TS–621( )/U	6625–00–649–2036 6625–00–221–9607 6625–00–334–8413	SG–1219/U	6625–01–188–7441
TS–742/UPM	6625–00–521–1286	AN/USM–489(V)	6625–01–079–9495
TS–1337/UPM	6625–00–752–7531	AN/USM–489(V)	6625–01–079–9495
TS–18300/U	6625–00–845–7183	AN/USM–490	6625–01–138–3351
TS–1916/UPM–84A	6625–00–937–5258	AN/USM–489(V)	6625–01–079–9495
TS–2333( )/U	6625–00–068–7175	AN/USM–490	6625–01–138–3351
TS–2968/U	6625–00–459–8570	AN/USM–490	6625–01–138–3351
TS–160001	6625–00–542–1667	AN/USM–459	6625–01–061–8928
TS–3066(V)1/U	6625–00–160–0535	AN/USM–490	6625–01–138–3351
TS–3066(V)2/U	6625–00–689–7685	AN/USM–490	6625–01–138–3351
TS–3066(V)3/U	6625–01–012–1071	AN/USM–490	6625–01–138–3351
TS–3237/U	6625–00–463–9912	AN/USM–489(V)	6625–01–079–9495
CE–21(CUSHMAN)	6625–00–146–7484	AN/USM–490	6625–01–138–3351
CE–24(CUSHMAN)	N/A	AN/USM–490	6625–01–138–3351
CE–70(CUSHMAN)	6625–01–105–2552	AN/USM–490	6625–01–138–3351
RM15 (TEK)	6625–00–553–4699	AN/USM–488	6625–01–187–7847
T922 (TEK)	6625–01–061–4242	AN/USM–488	6625–01–187–7847
111 (SIMPSON)	N/A	AN/USM–486	6625–01–145–2430
120B (HP)	6625–00–869–2402	AN/USM–488	6625–01–187–7847
141A (HP)	6625–00–064–0187	AN/USM–488	6625–01–187–7847
160 (SIMPSON)	6625–00–935–1333	AN/PSM–45	6625–01–139–2512
1707A (HP)	6625–00–472–3264	AN/USM–488	6625–01–187–7847
200 (KEITHLEY)	6625–00–892–1496	AN/PSM–45	6625–01–139–2512
213 (TEK)	6625–01–030–4791	AN/USM–488	6625–01–187–7847
230 (SIMPSON)	6625–00–242–7016	AN/PSM–45	6625–01–139–2512
302A (HP)	6625–00–958–4473	AN/USM–490	6625–01–138–3351
310A (HP)	6625–00–068–7175	AN/USM–490	6625–01–138–3351
312A (HP)	6625–00–089–7685	AN/USM–490	6625–01–138–3351
312B (HP)	6625–00–012–1071	AN/USM–490	6625–01–138–3351
422–125 (TEK)	6625–00–087–1739	AN/USM–488	6625–01–187–7847

Replaced Item	*Replaced NSN*	*Replacement Item*	*Replacement NSN*
453A (TEK)	6625–00–765–9181	AN/USM–488	6625–01–187–7847
511AD (TEK)	6625–00–356–0278	AN/USM–488	6625–01–187–7847
515 (TEK)	6625–00–585–5665	AN/USM–488	6625–01–187–7847
522B (HP)	6625–00–526–5230	AN/USM–459	6625–01–061–8928
524B (HP)	6625–00–539–8868	AN/USM–459	6625–01–061–8928
524C (HP)	6625–00–793–1348	AN/USM–459	6625–01–061–8928
524D (HP)	6625–00–776–0428	AN/USM–459	6625–01–061–8928
535 (TEK)	6625–00–539–8539	AN/USM–458	6625–01–187–7847
535A (TEK)	6625–00–799–7956	AN/USM–488	6625–01–187–7847
545A (TEK)	6625–01–047–7309	AN/USM–488	6625–01–187–7847
564 (WESTON)	6625–00–781–0358	AN/PSM–45	6625–01–139–2512
585A (TEK)	6625–00–797–0250	AN/USM–488	6625–01–187–7847
608C (HP)	6625–00–538–9879	SG–1170/U	6625–01–120–3501
608F (HP)	6625–00–400–8228	SG–1170/U	6625–01–120–3501
618B (HP)	6625–00–816–3079	SG–1219/U	6625–01–188–7441
666RW669RL (TRIPLETT)	6625–00–975–4482	AN/PSM–45	6625–01–139–2512
779 (WESTON)	6625–00–373–3437	AN/PSM–45	6625–01–139–2512
785 (WESTON)	6625–00–270–3776	AN/PSM–45	6625–01–139–2512
850 (TRIPLETT)	6625–00–915–4481	AN/PSM–45	6625–01–139–2512
3439A (HP)	6625–00–325–0995	AN/USM–486	6625–01–145–2430
3443A (HP)	6625–00–482–7207	AN/USM–486	6625–01–145–2430
3444A (HP)	6625–00–071–8985	AN/USM–486	6625–01–145–2430
3445A (HP)	6625–00–082–1434	AN/USM–486	6625–01–145–2430
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3469B (HP)	6625–00–763–4080	AN/USM–486	6625–01–145–2430
3490A–06C (HP)	6625–00–557–8305	AN/USM–486	6625–01–145–2430
3581 (HP)	N/A	AN/USM–490	6625–01–138–3351
3581A (HP)	6625–01–012–7669	AN/USM–490	6625–01–138–3351
3581C (HP)	N/A	AN/USM–490	6625–01–138–3351
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5233L (HP)	6625–00–071–1664	AN/USM–459	6625–01–061–8928
5243L (HP)	6625–00–994–9581	AN/USM–459	6625–01–061–8928
5245L (HP)	6625–00–973–4837	AN/USM–459	6625–01–061–8928
5246L (HP)	6625–00–186–6183	AN/USM–459	6625–01–061–8928
5300A/5301A (HP)	6625–00–024–7066	AN/USM–459	6625–01–061–8928
5340A (HP)	6625–00–498–8946	TD–1225A(V)2/U	6625–01–121–6934
7370 (BECKMAN)	6625–00–472–9498	TD–1225A(V)2/U	6625–01–121–6934
7403N (TEK)	6625–00–270–8448	AN/USM–488	6625–01–187–7847
7603 (TEK)	6625–00–261–5127	AN/USM–488	6625–01–187–7847
8000A (JF)	6625–00–322–8715	AN/USM–486	6625–01–145–2430
8000A–01 (JF)	6625–00–210–7584	AN/USM–486	6625–01–145–2430
8100A (JF)	6625–00–433–4234	AN/USM–486	6625–01–145–2430
8100A–01 (JF)	6625–00–480–5702	AN/USM–486	6625–01–145–2430

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